Institute of Freshwater Ecology

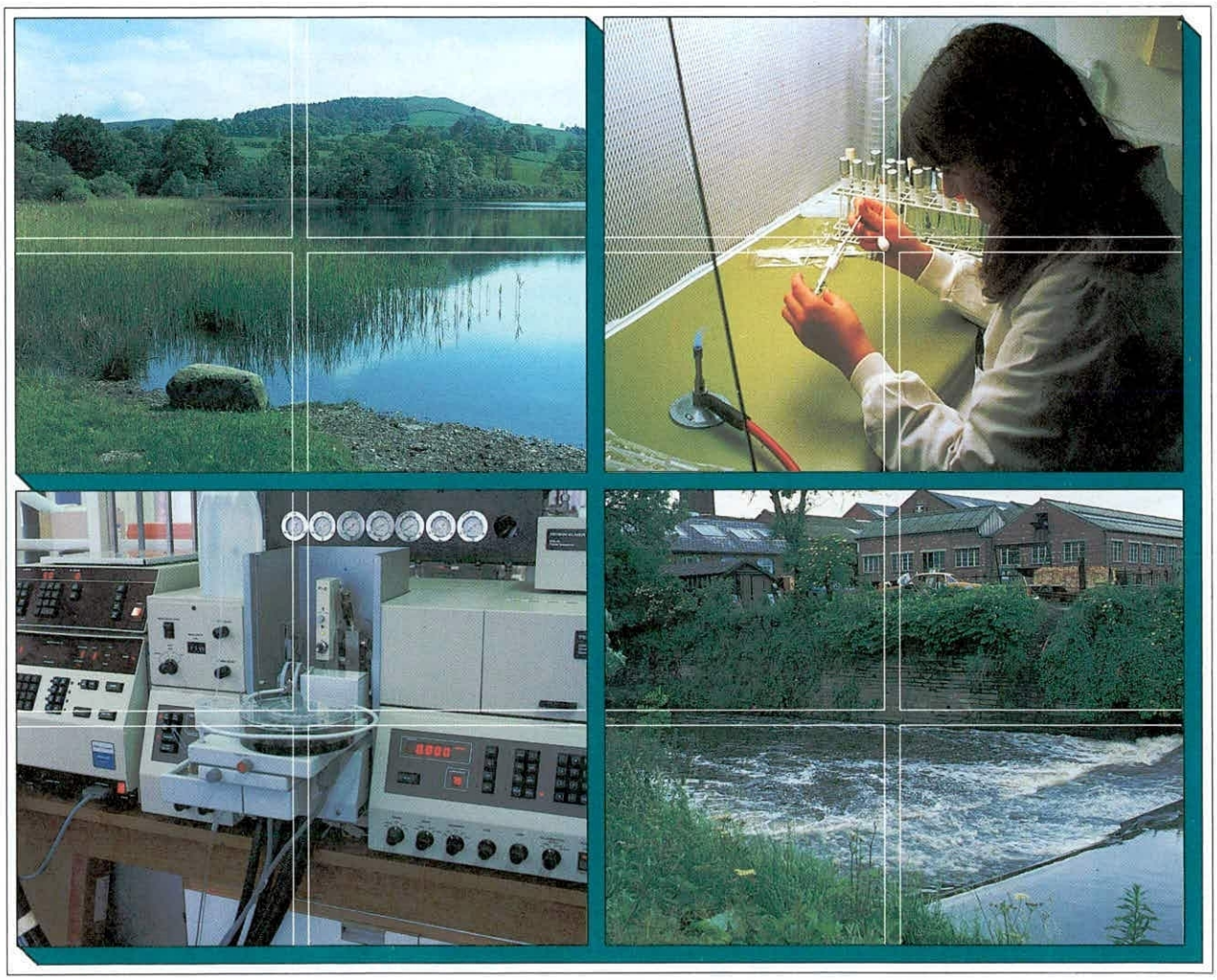
RIVER HABITAT SURVEY 1996

Survey Sheets - England and Wales

Part II 6730 - 7523

F.H. Dawson PhD CBiol FIBiol; P. Scarlett Msc; J.H. Blackburn BSc; G. Collett HND; M. Deville Bsc; M. Gravelle BSc Msc; N.J. Grieve Bsc; I.D.M. Gunn Msc; I.T.B. Harris Msc; P. Henville; D.D. Hornby Msc; J.J. Leach Msc; N. Nicolson Bsc; H.G. Orr BA BSc

Report To: Environment Agency, Bristol
IFE Report Ref. No: RL/TO4053H4



Natural Environment Research Council

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RIVER HABITAT SURVEY 1996

Survey Sheets - England and Wales

Part II 6730 - 7523

F.H. Dawson PhD CBiol FIBiol; P. Scarlett Msc; J.H. Blackburn BSc; G. Collett HND; M. Deville Bsc; M. Gravelle BSc Msc; N.J. Grieve Bsc; I.D.M. Gunn Msc; I.T.B. Harris Msc; P. Henville; D.D. Hornby Msc; J.J. Leach Msc; N. Nicolson Bsc; H.G. Orr BA BSc

Project Leader:	F.H. Dawson
Report Date:	July 1996
Report To:	Environment Agency, Bristol
IFE Report Ref. No:	RL/T04053H4

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1996 RIVER HABITAT SURVEY Grid IFE Codes for plant species and cover (Page 1 of 4)

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6730

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 26/6/1996 Time: 11.30 Surveyor name SW Accreditation code. PTC

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(mid-part total shown)*

Riffles	1	Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY RUN SHEET CHECKS (Page 2 of 4)

TALLY (see BH) for - Riffles 1 Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 in upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES										
Material	BA	SA	GR	MD	SO	SO	BA	BA	BA	SA
Bank modification(s)	NE	NO	NO	CH	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate	CO	CO	CO	CO	GS	ME	MD	GP	CO	CO
Substrate shape	SL	SL	CU	TL	VL	VL	IR	NA	CU	CU
Flow type	FP	RP	RP	UR	GL	LE	LE	RP	SW	RP
Channel modification(s)	NO	MA	MA	NO	NO	NO	NO	MA	NO	NO
Channel feature(s)	NO	NO	IS	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES										
Material	BR	SI	CL	SI						
Bank modification(s)	NE	NO								
Bank feature(s)	NO	NO								

BANKTOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from IN, CP, OR, WH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SC	SC	IN	OL	FL	OL	OL	OL	FL
LEFT BANK-TOP *(structure within 1m)*	G	S	S	C	S	S	S	S	S	
LEFT BANK FACE *(structure)*	B	S	S	-	S	S	S	S	S	
RIGHT BANK FACE *(structure)*	B	S	S	S	S			S	S	
RIGHT BANK-TOP *(structure within 1m)*	G	S	S	B		U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SC	SU	SU	SU	SU	SU	SU	SU	B

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/ferns										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		E	E	E	E	✓	✓	✓	✓	✓

IFE NO. 6730 1996 RIVER HABITAT SURVEY SITE SPECIFIC CHECKS (Page 3 of 4)

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Wood/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Parkland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Heath (SC)	✓	✓	Open water (OW)		
Tall herbs" and vegetation (TH)	✓	✓	Suburban/urban development (SU)		E

BANK MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Recent/undercut			Resectioned		
Recent + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Vertical			Reinforced - toe only		
Poached			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Meders inlet(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☑	☐	☐

State predominant flow sequence (*select up to three features*): G1 G2 R/M1

1996 RIVER HABITAT SURVEY CHANNEL DIMENSIONS AND INFLUENCES (Page 4 of 4)

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Bankfull height (m)	1.2	Bankfull width (m)	4.5	Bankfull height (m)	1.2
Embanked height (m)		Water width (m)	2.0	Embanked height (m)	
		Water depth (m)	0.5	

If trapezium lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL INFLUENCES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

MANAGEMENT ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

EXTENT OF ARTIFICIAL/SEMI-NATURAL FEATURES

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

EXTENT OF INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☑ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Rhododendron bushes

LAND USE/ACTIVITY

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
Culvert cross to channel

ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1. BACKGROUND MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

2. SURVEY DETAILS

Reference network site number: 6751

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 21/6/1996 Time: 14 00 Surveyor name MC Accreditation code. CCSI

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

3. CHANNEL CROSS-SECTION

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐

IFE : VALLEY FORM NOTES:

4. CHANNEL SUBSTRATE AND FLOW TYPES

Riffles
Pools
Unvegetated point bars —
Vegetated point bars —

ALL COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IE DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1. BACKGROUND MAP-BASED INFORMATION

TALLY (use dot) for - Riffles || Pools Unveg. side bars Veg point bars

2. SURVEY DETAILS

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
CHANNEL SUBSTRATE										
Material	CA	CA	FA	FA	MD	BA	BA	CB	BA	FA
Bank modifications(s)	NO	NO	NO	-	CE	NO	-	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO
CHANNEL CROSS-SECTION										
Channel substrate	SA	GR	GR	SA	CO	CA	SA	SA	A	SA
Substrate shape	QU	NU	NU	CU	CU	-	-	QU	-	-
Flow type	UW	SW	SW	FR	FR	-	-	-	-	-
Channel modification(s)	NO	NO	-	-	NO	-	-	-	-	-
Channel feature(s)	NE	-	-	-	-	-	-	-	-	-
RIGHT BANK										
Material	U	FA	CA	CB	BA	-	-	FA	-	-
Bank modification(s)	NO	NO	CE	-	-	-	-	-	-	-
Bank feature(s)	NO	NO	NE	-	-	-	-	-	-	SC
LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from IU, CP, OR, WO, HC, TH, RP, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IM	IM	PL	PL	GG	-	-	PL	-	-
LEFT BANK-TOP (structure within 1m) BANK	U	U	S	S	U	-	-	-	-	-
LEFT BANK FACE (structure) BANK	U	U	-	-	-	-	-	-	-	-
RIGHT BANK FACE (structure) BANK	U	S	U	U	S	-	-	-	-	-
RIGHT BANK-TOP (structure within 1m) BANK	S	U	S	S	-	-	-	-	U	-
LAND USE WITHIN 5m OF BANK TOP (R)	OL	OL	OL	OL	OL	-	-	PL	-	PL
PLANT SPECIES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓									
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	✓									
Filamentous algae	E	✓	S	F	✓			✓		

SITE NO. 6751

3. CHANNEL CROSS-SECTION

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	E	✓	Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reactioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	✓	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

4. CHANNEL SUBSTRATE AND FLOW TYPES

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	✓	☐
Run(s)	☐	☐	✓
Glide(s)	✓	☐	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): Glide Run

5. CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.8	Banktop width (m)	Banktop height (m)	0.8
Embanked height (m)		Water width (m)	Embanked height (m)	
		Water depth (m)		

If trapezium larger than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

6. CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

7. MAINTENANCE

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

8. CHANNEL OBSTRUCTIONS

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Bridges/ride channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

9. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

10. NOTABLE AND ALIEN SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? (Arctic Rhododendron bracteatum)

11. HUMAN INFLUENCES

Major impacts: bankfill - dipping - flows - sewage - pollution - drought - abstraction - mill - dam - weed - rail - industry - housing - sibling - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

12. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for plant genera and fencing

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6732

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 25.6./1996 Time: 12.00. Surveyor name . JK . . Accreditation code. . . . . .

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if data not collected)*

Riffles	11	Unvegetated point bars	—
Pools	—	Vegetated point bars	—

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SECTION SKETCH

TALLY (use dot) for - Riffles 11 Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 in upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
Material *	CR	CC	EA	EA	EA	PAT	BA	GR	EA	EA
Bank modification(s)	BA	RE	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s)	NO	NS	NO	NO	NO	NO	NO	NO	NS	NO
Channel substrate *	NV	AR	CO	GR	GP	CO	GP	GC	CO	GP
Substrate shape	NV	NA	TAIL	NV	NV	CU	NV	CV	CU	NV
Flow type *	NP	NP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NS	RS	RS	RS	RS	RS	NO	NO	NO
Channel feature(s)	TRR	TRR	RO	NO	NO	TRR	NO	TR	TR	NO
Material *	EA	CC	EA	EA	SA	SA	EA	SA	EA	SA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	EC	NO	SC	NO	NS

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from AR, CP, OR, ATH, RC, TH, RP, RC, FL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	TG	SU	BG	SG	IR	TR	TR	TR	TR
LEFT BANK-TOP *(structure within 1m)*	U	C	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)*	C	C	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)*	C	C	U	U	U	C	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	C	U	S	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SC	RC	TM	TR	TR	TR	TR	TR

PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs								✓		
Emerg reeds/sedges/rushes								✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved				✓						
Submerg fine/linear-leaved						✓		✓		
Filamentous algae	✓		✓	E	E	E	E	E	E	E

1996 RIVER HABITAT SURVEY

SITE NO. 6732

SECTION PHOTOGRAPHS

	L	R		L	R
Coniferised/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)	—		Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moor/heath/marsh (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* / rank vegetation (TH)	✓	✓	Suburban/urban development (SD)		

BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Overhang	✓		Reinforced - toe only		
Terraced			Artificial two-stage		✓
			Poached		
			Eroding		
			Set-back embankment		

LAND USE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercover tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☑	☐

WATER COURSE FEATURES

	None	Present	B (≥ 33%)		None	Present	B (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Estimate predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	7.0	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	6.0	Banktop height (m)	0.6
Embanked height (m)	—	Water depth (m)	1.0	Embanked height (m)	—

If riverbanks lower than banktop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Pools =
Footbridges = 1 Roadbridges = 2 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . . . . .

NATURAL FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) . . . . .
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Fluvh	☐

RESTRICTIONS TO CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

NOTEWORTHY PLANTS *(list up to 5)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (list) Rhododendron bushes

ADJACENT LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - grazed - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RAT
Very Eutrophic. Better 100m ... double ... before ... lake.

QUALITY OF SEMI-NATURAL HABITATS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☐ Present ☑ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

Reference network site number: 6777

Mid-site grid reference of network site if different from designated location:

Grid Reference:

River:

Date: 15/6/1996 Time: 14 17 Surveyor name: ... Accreditation code: MO

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add "U")
☒ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐

IFE : VALLEY FORM NOTES:

Riffles 5
Pools
Unvegetated point bars
Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO. 6777

	L	R
Broadleaf/mixed woodland (BL)	E	
Coniferous plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)		
Scrub (SC)		
Tall herbs* and vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	E
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		

	L	R
Natural/unmodified		
Vertical/undercut	E	E
Vertical + toe		
Steep (>45°)	E	E
Gentle	✓	✓
Composite		

	L	R
Artificial/modified		
Reactionet	✓	✓
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Pooched	✓	✓
Embanked		
Set-back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☒	☐	☐

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascades(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☐	☒	☐
Run(s)	☐	☒	☐
Bed(s)	☒	☐	☐
Glide(s)	☐	☐	☒
Pool(s)	☒	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence (select up to three features): G.d

TALLY (use ISE) for - Riffles 4 Pools Unveg. side bars Veg point bars

Spot check 1 is: upstream ☐ downstream ☒

	1	2	3	4	5	6	7	8	9	10
Material	RR	BA	BA	BA	BA	BA	GS	BA	BA	BA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RC	NO	NO	NO
Bank feature(s)	NO	NO	NO	YS	NO	YS	NO	NO	NO	NO

Channel substrate	SI	SI	GP	GP	SI	GP	SI	SI	SI	SI
Substrate shape	SL	SL	CN	CN	SL	CN	SL	SL	SL	CN
Flow type			GP	GP						
Channel modification(s)	SC	SC	NO	SC		NO	NO	NO	NO	NO
Channel feature(s)			NO			NO	NO	NO	NO	NO

Material			BA	BA		BA	BA	BA		
Bank modification(s)			NO	NO		NO	NO	NO		
Bank feature(s)			SC	NO						

Land use: choose one from AL, CP, OR, MH, BC, TH, IG*, RP, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	BA	OR		BL	TH	IG		TH
LEFT BANK-TOP (structure within 1m) BANKVEG	U		C	C						
LEFT BANK FACE (structure) BANKVEG	U		S	S			C	C		
RIGHT BANK FACE (structure) BANKVEG	C		S	S	U		C			
RIGHT BANK-TOP (structure within 1m) BANKVEG	S	U	U	U	U					
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	TH	TH	IG	IG		TH	IG	IG

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓			✓	✓					
Emerg reeds/sedges/rushes	✓	✓	✓		✓		✓	/	/	
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓		✓					
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓	✓	✓					✓	/
Filamentous algae	✓	✓	✓	✓		F	V			

LEFT BANK
Banktop height (m): 0.75
Embanked height (m)

Banktop width (m): 8.2
Water width (m): 8.0
Water depth (m): 0.2

RIGHT BANK
Banktop height (m): 0.75
Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

None ☒ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

None ☒ Dredging ☐ Moving ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

None ☒
Waterfalls > 3m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Name) Rhododendron ponticum

Major impacts: landfill - tipping - litter - sewerage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad martin - heron - dragonflies/damselflies

Other significant observations:

Aldors? None ☐ Present ☒ Extensive ☐ Diatoms? None ☒ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: SITE SHEET

BACKGROUND MAP/GRID INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6734

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 358813 River: SOWE

Date: 24/6/1996 Time: 13.00 Surveyor name: N GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate if estimated)

Riffles 6	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: TRANSECTS

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

A PHYSICAL ATTRIBUTES

Spot check 1 m. upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES										
Material (BE,BO,CO,CS,EA,FP,CL,OC,ST,VP,GA,MI,BA,PA)	EA	EA	EA	EA	CA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS	NO	NO	RS	RS	RS	RS
Bank feature(s) (NV,NO,EC,BC,FR,VT,ER,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate (NV,BE,BO,CO,CP,SA,GI,CL,PE,AR)	SI	SI	SI	SI	SP	CO	SP	FA	SP	SP
Substrate shape (FL,CH,EL,ST,CU,TO,IR, Others - note)	NA	NA	NA	NA	OV	OV	OV	IR	OV	TR
Flow type (FT,GN,RW,UW,CF,RF,UP,SM,NP,NO)	SM	SM	SM	SM	SM	UW	SM	RA	SM	SM
Channel modification(s) (NE,NO,CY,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV,NO,RO,WR,VS,NO,TR)	TR	NO	TR	TR	NO	NO	TR	NO	TR	NO
RIGHT BANK ATTRIBUTES (looking downstream)										
Material (BE,BO,CO,CS,EA,FP,CL,OC,ST,VP,GA,MI,BA,PA)	EA	EA	EA	BR	EA	SA	EA	BR	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	RS	RS	NO	RI	RS	RS	NO	RI	RS	RS
Bank feature(s) (NV,NO,EC,BC,FR,VT,ER,VS)	NO	NO	SB	NO	VS	NO	NO	NO	NO	NO

B PLAN OF LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TH	TH	TH	TH	RL	SC	SC	RP	RP
LEFT BANK-TOP (structure within 1m) BM/SC	U	U	U	U	S	S	S	S	U	U
LEFT BANK FACE (structure) BM/SC	U	S	U	U	S	S	S	U	S	S
RIGHT BANK FACE (structure) BM/SC	S	S	S	S	S	U	U	S	U	S
RIGHT BANK-TOP (structure within 1m) BM/SC	U	U	U	S	S	B	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	SU	SC	TH	SU	IG	IG	IG	IG

C PLANT SPECIES LIST

MOSS / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (Grasses)				↘	↘		↘			↘
Emerg reeds/sedges/rushes (Iris Pse)							↘			↘
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved (Ranunculus)	E	↘	↘	E	↘	↘	E	↘		E
Filamentous algae	E	E	E	E	E	E	E	E	E	E

SITE NO 6734

D CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Woodland/wooded (BL)	↘		Rough pasture (RP)		↘
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↘	↘
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	↘		Open water (OW)		
Tall herbs/ rank vegetation (TH)	E	↘	Suburban/urban development (SU)	↘	E

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment	E	E
Vertical + toe			Reinforced - whole bank	↘	↘
Steep (>45°)	↘	↘	Reinforced - top only		
Gentle			Reinforced - toe only		
Opposite			Artificial two-stage		
			Poached		
			Eroding/unstable		
			Set back embankment		

E CHANNEL MANAGEMENT, CONSTRUCTION AND PATTERN

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock (CLAY)	☐	☑	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Calc predominant flow sequence (*select up to three features*): GLIDE (+ RIFFLE)

RIVER HABITAT SURVEY: DIMENSIONS AND FEATURES

D CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop width (m)		Bankop width (m)	5.5	Bankop width (m)
Bankop height (m)	0.8	Water width (m)	4.1	Bankop height (m) 1.0
Embanked height (m)		Water depth (m)	0.12	*Embanked height (m)*

If trapezium lower than bankop break in slope, indicate: height (m) = 0.5 width(m) = 4.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

E ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = 2 Ponds =
Footbridges = 1 Bridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

F MAJOR CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

G PRESENCE OF SPECIAL FEATURES

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) . .
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleah ☐

H CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

I BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle, Rhododendron bushes)

J LAND USE IN RIPARIAN ZONE

Major impacts: bankfill (tipping) - sheet - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - grazing - other? =

Land Management: set-aside - buffer strip - headland (woodland bay) - parkland - MoD - other? = SUBURBAN

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud snail/a - heron - dragonflies/damselflies

Other significant observations: Urban channel - Extensive trash!

K RIPARIAN TREE SURVEY

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

A BACKGROUND MAP AND SITE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6735

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 483830 River: SMITE BROOK.

Date: 22nd Jul 1996 Time: 14.45 Surveyor name: N. CRIEVE Accreditation code: PF12.

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D PREDOMINANT FEATURES AND LAND USE

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Dense cover

RIVER HABITAT SURVEY

TALLY (use JHH) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 m upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
CHANNEL										
Material	EA	CA	EA	SA	EA	EA	EA	SA	SA	SA
Bank modification(s)	NO	RS	RS	NO	RS	RS	RS	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NS	NO	NO	NO
CHANNEL										
Channel substrate	SI	SP	SI	SI	SP	SP	SI	SI	SI	SI
Substrate shape	NA	PO	NA	NA	NV	OV	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) †	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK/BANK TOP										
Material	SA	SA	EA	EA	BR	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RI	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	SB	NO	NO	VS	NO
LEFT BANK/BANK TOP AND IMMEDIATE LAND USE/STRUCTURE										
Land use: choose one from RE, CF, OR, MOR, SC, TH, RP, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	SC	BL	RE	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BANK	U	U	U	U	C	S	C	U	U	U
LEFT BANK FACE *(structure)* BANK	C	C	C	C	S	C	C	S	C	C
RIGHT BANK FACE *(structure)* BANK	S	S	C	C	C	S	S	C	S	S
RIGHT BANK-TOP *(structure within 1m)* BANK	U	S	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

F ALONG BANK VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Epilobium									
Emerg reeds/sedges/rushes	Phalaris									
Floating-leaved (rooted)										
Free-floating										
Amphibious	Veronica									
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

† RS - overdeepened in past.

SITE NO 6735

RIVER HABITAT SURVEY

G SUBSTRATE/VEGETATION TYPES

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* semi vegetation (TH)			Suburban/urban development (SU)		

H BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	5.3	RIGHT BANK	
Bankop height (m)	0.85	Water width (m)	0.5	Bankop height (m)	0.7
Embanked height (m)		Water depth (m)	0.003	*Embanked height (m)*	

If trapezium lower than bankop break in slope, indicate: ' height (m) = 0.55 width (m) = 3.6

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

J ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No Yes, <33% of site ☐ >33% of site ☐

K RECENT CHANNEL WORK

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

L ASSOCIATED FEATURES

None ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Waterfalls > 5m high ☐ Natural open water ☐ Carr ☐
Braided/side channels ☐ Debris dams ☒ Water meadow ☐ Marsh ☐
Debris dams ☐ Leafy debris ☐ Fen ☐ Flush ☐

M CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

N NOTABLE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron bradicum

O CHANNEL MANAGEMENT

Major impacts: bankfill - dipping - fence - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - development - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RS Agricultural ditch/stream.
V little water at time of survey.

P ALDER

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

B SURVEY DETAILS

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed backside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☐	☒

E PHYSICAL ATTRIBUTES

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☒	☐	☐
Run(s)	☒	☐	☐
Boil(s)	☒	☐	☐
Glide(s)	☒	☐	☐
Pool(s)	☒	☐	☐

	None	Present	E (≥ 33%)
Mineral/sand/water	☐	☐	☒
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☐	☐	☒

Indicate predominant flow sequence *(select up to three features)*: SLACK / STAGNANT

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 6736

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 592871 River: SWIFT

Date 24.6.1996 Time 1.30 Surveyor name N GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS, STANDING EDGES, POINT BARS (indicate if estimated)

Riffles 10 Unvegetated point bars

Pools 2 Vegetated point bars

ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E. RIVER HABITAT SURVEY: CONSTRUCTION

TALLY (use 1/5) Riffles Pools Unveg. side bars Veg point bars

1. PHYSICAL ATTRIBUTES

Spot check 1 u/s upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate †	SP	SI	SI	SI	SP	SP	SP	SP	SP	SI
Substrate shape	IR	NA	NA	NA	IR	SM	OV	NV	OV	NA
Flow type †	SM	NP	NP	UW	NP	NP	UW	NP	UW	NP
Channel modification(s) ‡	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	MN	NO	VB	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

2. BANKTOP/LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, HR, IC, TH, SP, IO, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	SC	FA	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U	S	S	S	U	U	U	U	U	U
LEFT BANK FACE *(structure)*	C	C	S	S	U	C	C	C	S	C
RIGHT BANK FACE *(structure)*	S	S	S	S	U	U	S	S	S	C
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TL	TL	TL	IG	IG	TH	TH	IG

3. BANK VEGETATION

NONE / PLANT GENERA - list first 5	✓	✓	✓					✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs				✓			✓			
Emerg reed/sedge/rushes				✓		✓				
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae				✓	✓	✓	✓			✓

† Probably ES in Dec.

SITE NO. 6736

F. RIVER HABITAT SURVEY: SUBSTRATE AND FEATURES

1. SUBSTRATE COMPOSITION

	L	R		L	R
Bedrock/boulder/cobble (BL)			Rough pasture (RP)	✓	
Uniform pavement (CP)			Improved/semi-improved grass (IG)	E	E
Gravel (GR)			Tilled land (TL)	✓	✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Marsh (SG)	✓		Open water (OW)		
Trees/ "herbs" and vegetation (TH)		✓	Suburban/urban development (SU)		

2. CHANNEL FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Ideal/undercut	✓		Resectioned		E
Cobble + bar			Reinforced - whole bank		
Step (>45°)	E		Reinforced - top only		
Gravel			Reinforced - toe only		
Riffle			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

3. BANKSIDE LAND USE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐ (LHS/RHS)
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

4. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Unvegetated deadwater	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☐	☒	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☐	☒	☐
Pool(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☒	☐	☐

etc predominant flow sequence *(select up to three features)*: SLACK - RIFFLE.

G. RIVER HABITAT SURVEY: DIMENSIONS AND INTRUSIONS

1. CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	3.8	RIGHT BANK	
Bankop height (m)	1.1	Water width (m)	1.1	Bankop height (m)	1.2
Embanked height (m)		Water depth (m)	0.52	*Embanked height (m)*	

If trashline lower than bankop break in steps, indicate: height (m) = 0.3 width (m) = 2.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

2. CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

3. CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

4. FEATURES OF SPECIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☒
Leafy debris	☐	Fen	☐	Flush	☐

5. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

6. PLANT SPECIES OF CONSERVATION INTEREST

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

7. OVERALL ENVIRONMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations: Headwater type channel. Some wetland plants on LHB.

8. TREES

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with the models toolplant (concise and reference) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6737.

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 669830 River: WELLAND.

Date 11/ /1996 Time: 12:15 Surveyor name C Henrickx Accreditation code

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (tallies and totals)

Riffles 3 Unvegetated point bars 0

Pools 2 Vegetated point bars 5

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use DD) for - Riffles \\\ Pools \\ Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES (for each spot check)

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK UP										
Material *MM,BE,BO,CO,CE,EA,PE,CL,CC,SP,MP,GA,BR,BA,AR*	GA	GA	LA	GA	BR	GA	GA	LA	LA	GA
Bank modification(s) *ME,MO,RS,RI,PC,BAI,FH*	RS	RS	RS	RS	C	R	RS	RS	RS	RS
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,BW,UW,CF,RF,UP,SM,WP,MO*	SM	SM	SM	RP	SM	SM	NA	SM	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	RS	RS	NO	NO	RS	RS	NO	RS	RS	RS
Channel feature(s) *MV,MO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - STICK UP										
Material *MM,BE,BO,CO,CE,EA,PE,CL,CC,SP,MP,GA,BR,BA,AR*	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s) *ME,MO,RS,RI,PC,BAI,FH*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	BL	TH	TH	TH	TH	IG	TH	IG	TH
LEFT BANK TOP *(structure within 1m)* B/U/S/C	U	S	U	U	U	U	U	U	U	S
LEFT BANK FACE *(structure)* B/U/S/C	S	U	U	U	S	U	U	S	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	CP	BL	BL	IG	BL

G PLANT SPECIES (within 1m square)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens									✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes		/	E	E	✓	E	E	E	E	E
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

VB

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

H CHANNEL DIMENSIONS (for one cross-section perpendicular to flow)

LEFT BANK		Banktop width (m)	2.70	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	0.60	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.08	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 1.30

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES (within 50m of survey)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 3 Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT (within 50m of survey)

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State Small Pond

K FEATURES OF SPECIAL INTEREST (within 50m of survey)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

L CHOKED CHANNEL (within 50m of survey)

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

M INVASIVE PLANT SPECIES (within 50m of survey)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

N OVERALL RIVER CHARACTERISTICS (within 50m of survey)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small stick material channel narrows in places with mid channel bank. Small scale tree planting both banks.

O OTHER (within 50m of survey)

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

SITE NO. 6737

P LAND USE WITHIN 50m OF SURVEY (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓			
Coniferous plantation *(CP)*		✓	Rough pasture *(RP)*		
Orchard *(OR)*			Improved/semi-improved grass *(IG)*	E	
Moorland/heath *(MH)*			Tilled land *(TL)*		E
Scrub *(SC)*			Wetland (eg bog, marsh, fen) *(WL)*		
Tall herbs' root vegetation (TH)	✓		Open water *(OW)*	✓	
			Suburban/urban development *(SU)*		

Q BANK SIDE CHARACTERISTICS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankment		

R BANK SIDE AND CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	✓	☐
Run(s)	✓	☐	☐
Bay(s)	✓	☐	☐
Glide(s)	☐	☐	✓
Pool(s)	☐	✓	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	✓	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: GL RI

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6741

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: NENE

Date ../..../1996 Time ..... Surveyor name P Henville Accreditation code PFH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS — Page 2 of 4

TALLY (use JIT) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1 = wide transect)*

Spot check 1 at upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if [functional] fence										
Material *HV BE,BO,CO,GS,FA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	CL	CL	CL	CL	CL	CL	EA	CL
Bank modification(s) *HE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	BO	NO	BO	NO	NO
CHANNEL										
Channel substrate * *HV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,RW,UW,CI,RF,UP,SM,MP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *HE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RI	RS	RS	RI	RS	RS
Channel feature(s) *HV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if [functional] fence										
Material *HV,BE,BO,CO,GS,FA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	BR
Bank modification(s) *HE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	UL	UL	BL	UL	BL	UL	TH	UL	BL	B
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	S	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	SC

Q CHANNEL VEGETATION TYPES *(in the whole channel within the 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	✓	✓		✓	✓	✓	✓	✓		✓
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓		✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6741 — 1996 RIVER HABITAT SURVEY (SOUTH WEST) DATA SHEET — Page 3 of 4

E SURFACE NATURE OF LAND USE

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	E	
Scrub *(SC)*	✓	✓	Open water *(OW)*		✓
Tall herbs* / rank vegetation *(TH)*	✓		Suburban/urban development *(SU)*		

F BANK DESIGN

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		E
Vertical + toe			Reinforced - whole bank		✓
Sloop (>45°)			Reinforced - top only		
Gentle	E		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		✓
			Set-back embankments		

G SECTION OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

H CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	☐	✓	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide (very shallow)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

I CHANNEL DIMENSIONS *(channel measurements)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.20	Banktop width (m)	19.50	Banktop height (m) 0.60
Embanked height (m)		Water width (m)	18.0	*Embanked height (m)*
		Water depth (m)	NK.	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = Spill way

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☑ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS *(tick one box)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R WILDLIFE / HABITAT FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Deep dugout run right bank low mostly 2.05m embankment intensely dodgy at one time left bank. Reb all flymo cannot cut willow. Channel 2m deep at bank. Soft underneath clay substrate.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Deceased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

BACKGROUND MAP/DASHBOARD INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 675

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 3/7/1996 Time: 09 ?? Surveyor name N Nicholson Accreditation code. 704

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT WATERFORM CROSS-SECTION

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain
Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

DOMINANT BANKSIDE AND FLOODPLAIN VEGETATION

Riffles Unvegetated point bars
Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CONTINUOUS CHECKS

TALLY (use JIZ) for - Riffles Pools Unveg. side bars Veg point bars

HYDROLOGICAL ATTRIBUTES

Spot check 1 in: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
BANK CHECKS (Left bank)										
Material	SA	G	U	CA	CA	SA	G	SA	SA	
Bank modification(s)										
Bank feature(s)	NO	NO	NO	NO						
CHANNEL CHECKS										
Channel substrate	NN	NN	NN	NN	NN	NN	NN			
Substrate shape	NA	NA	NA	NA						
Flow type	SM	SM	SM	SM						
Channel modification(s)										
Channel feature(s)										
RIGHT BANK CHECKS										
Material										
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)										

BANKTOP LAND USE AND FOREGROUND STRUCTURES

Land use: choose one from IR, CP, OR, UR, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG						
LEFT BANK-TOP *(structure within 1m)* BANKSIC										
LEFT BANK FACE *(structure)* BANKSIC										
RIGHT BANK FACE *(structure)* BANKSIC										
RIGHT BANK-TOP *(structure within 1m)* BANKSIC										
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU		SU	

DOMINANT VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓		✓					
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓		✓	✓		
Floating-leaved (rooted)					✓					
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SITE NO. 675

RIVER HABITAT SURVEY: CONTINUOUS CHECKS

LAND COVER WITHIN 50m OF LEFT AND RIGHT BANKTOPS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	5	
Orchard (OR)			Tilled land (TL)		5
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* seral vegetation (TH)			Suburban/urban development (SU)		✓

BANK AND CHANNEL MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned	2	5
Vertical + toe			Reinforced - whole bank		
Slump (>45°)			Reinforced - top only		
Granite			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked	4	
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Poach(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)		Banktop width (m)	22.0	
Water width (m)			20.0	Banktop height (m)
Embanked height (m)	2.5	Water depth (m)	2.5	Embanked height (m)

If trapezium lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 3.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☑ Number of Culverts = 0 Weirs = 0 Outfalls = Fords =
Footbridges = 0 Roadbridges = 0 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

NATURAL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ..
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleash ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER COMMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (weir) - roll - hydraulic housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad marbe - horse - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE SURVEY FORM

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 6746

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: LINK

Date 31/7/1996 Time: 11:20 Surveyor name NM WATSON Accreditation code. PFSK

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

CHANNEL CONSTRAINTS AND UNUSUAL FEATURES

Riffles	0	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SITE SURVEY FORM

TALLY (use JBS) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TOP										
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TOP										
Material	A	A	A	A	A	A	A	A	A	A
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND SOIL EROSION STRUCTURES

Land use: choose one from BL, CF, OR, MR, RC, IN, RF, IO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	G		G		G	G		G	G	
LEFT BANK-TOP *(structure within 1m)*	NONE									
LEFT BANK FACE *(structure)*	NONE									
RIGHT BANK FACE *(structure)*	NONE									
RIGHT BANK-TOP *(structure within 1m)*	NONE									
LAND USE WITHIN 5m OF BANK TOP (R)	R									

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓							
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)			✓	✓		✓		✓	✓	
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

ITE NO. 6746

1996 RIVER HABITAT SURVEY: SITE SURVEY FORM

LAND USE WITHIN 50m OF TOP OF BANK

	L	R		L	R
...ciduous/mixed woodland (BL)			Rough pasture (RP)		✓
...niferous plantation (CF)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)	✓	✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
...n (RC)			Open water (OW)		
...herbs" and vegetation (TH)			Suburban/urban development (SU)		✓

Natural/unmodified	L	R	Artificial/modified	L	R
...cliff/undercut			Revetmented		
...cliff + ins			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
...gentle			Artificial two-stage	✓	
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed beds/side roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	✓	☐	☐
Run(s)	☐	☐	☐
Boil(s)	☐	☐	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	✓	☐	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

etc predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankfull width (m)		40		Bankfull width (m)
Bankfull height (m)		Water width (m)	10 0	Bankfull height (m)
Embanked height (m)	2 0	Water depth (m)	1 5	Embanked height (m)

If trashlines lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☑ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

OBSERVED CHANNEL MODIFICATIONS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? ..Nettle, Rhododendron bushes

PHYSICAL IMPACTS AND MANAGEMENT

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam (coal / oil) industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

ARTIFICIAL BANK PROTECTION

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

BACKGROUND MAP/BASIN INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DATA

Reference network site number: 6747

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Lime Ash

Date 3.7.1996 Time: 13 30 Surveyor name NN Accreditation code. PP64

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ✓ channel ○ *(tick as appropriate)*

DOMINANT VALLEY FORM

○ shallow vee

○ deep vee

○ gorge

○ concave/bowl *(If U-shaped glacial valley - add "U")*

✓ symmetrical floodplain

○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

DOMINANT CHANNEL FEATURES

Riffles ○ Unvegetated point bars ○

Pools ○ Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: IN SPORTS CHOICE

TALLY (use filled) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 m. upstream ○ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modifications(s)										
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NN	NN	NN	NN			NN	NN		
Substrate shape	N/A	N/A	N/A	N/A						
Flow type	SM	NR	NR	NR			NR	NR		
Channel modifications(s)	NO	NO	NO	NO						
Channel feature(s)	NO	NO	NO	NO						
RIGHT BANK										
Material	GA	GA	GA	GA						
Bank modifications(s)										
Bank feature(s)	FP	NO	NO							

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, SOL, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH						
LEFT BANK-TOP (structure within 1m) BASIC	U	U	U	U						
LEFT BANK FACE (structure) BASIC	U	U	S	S			S		U	
RIGHT BANK FACE (structure) BASIC	U	U	S	S			S		S	S
RIGHT BANK-TOP (structure within 1m) BASIC	U	S	U	U			U		U	U
LAND USE WITHIN 5m OF BANK TOP (R)	R	RP	RP	RP					RP	TH

VEGETATION NOTES

NONE / PLANT GENERA - list first 5							✓			
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓						
Floating leaved (round)	✓	✓	✓	✓	✓	✓		✓	✓	✓
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6747

RIVER HABITAT SURVEY: CHANNEL

ADJACENT LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)	✓	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' mast vegetation (TH)			Suburban/urban development (SU)	✓	✓

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only	✓	✓
Composite			Artificial two-stage		
			Poached		
			Embanked	✓	✓
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	✓	○
Semi-continuous	○	✓
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	○	✓	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

CHANNEL FEATURES

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	○	○	○	Marginal deadwater	✓	○	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	○	○	○
Riffle(s)	○	○	○	Unvegetated mid channel bar(s)	○	○	○
Run(s)	○	○	○	Vegetated mid channel bar(s)	○	○	○
Boil(s)	○	○	○	Mature island(s)	○	○	○
Glide(s)	✓	○	○	Unvegetated side bar(s)	✓	○	○
Pool(s)	○	○	✓	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (*select up to three features*): ✓ ✓ ✓

RIVER HABITAT SURVEY: DIMENSIONS AND FUNCTIONS

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.6	Banktop width (m)	14.5	
Embanked height (m)	2.5	Water width (m)	14.0	Banktop height (m) 0.6
		Water depth (m)	2.2	Embanked height (m) 2.2

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ unknown ✓

Location of measurement is: cliffs ○ run or glide ✓ other ○ *(tick one box)*

ARTIFICIAL FEATURES

None ○ Number of Culverts = 0 Weirs = Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

MANAGEMENT

None ✓ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State .....

CONDITION AND ACTIVITIES

None ✓

Waterfalls > 5m high	○	Artificial open water	○	Bog	○ Other (state) .....
Bridges/ford channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

HUMAN INFLUENCE

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

ADJACENT LAND USE

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bracken

OVERALL IMPRESSIONS

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

BACKGROUND MAP/DATA INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6748

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Gt Ouse Gransden

Date 3.7.1996 Time: 16:00 Surveyor name NN Wilson Accreditation code 1764

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☒ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY CROSS-SECTION

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBERS OF POOLS AND POINT BARS

Riffles	0	Unvegetated point bars	0
Pools	2	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO R. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

HABITAT SURVEY

TALLY (use DD) for - Riffles Pools 1 Unveg. side bars Veg point bars

ADDITIONAL ATTRIBUTES (for the assessed stream channel)

Spot check 1 in upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECKS										
Material * WR,BA,CO,CB,BE,PE,GL,CC,SP,VP,OA,NR,RS,AR	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s) NE,NO,RS,RE,PC,BM,EM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bank feature(s) WP,BO,EC,BC,PB,VP,SS,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SPOT CHECKS										
Channel substrate * WP,BE,BO,CO,OP,BA,SI,GL,PE,AR	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape FL,CP,SL,D,CO,PO,OI, Others = ...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type * FF,CR,BW,UW,CF,SF,UP,BM,MP,NO	SM	SM	SM	SM	SM	NF	NF	UF	SM	NF
Channel modification(s) NE,NO,CV,RS,RE,DA,PO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) WP,BO,PO,WD,VB,NO,TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECKS										
Material * WR,BA,CO,CB,BE,PE,GL,CC,SP,VP,OA,NR,RS,AR	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s) NE,NO,RS,RE,PC,BM,EM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bank feature(s) WP,BO,EC,BC,PB,VP,SS,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from IR, CF, OR, MN, SC, TP, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	RP	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* M/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* M/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* M/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* M/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	SC	IG	IG	IG	TH	RP	RP	IG	SC

PLANT SPECIES NOTED

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)									✓	
Free-floating	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Amphibious										
Submerged broad-leaved								✓		
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓		✓

ITE NO. 6748

SURROUNDING LAND USE

	L	R		L	R
...ed/mixed woodland (BL)			Rough pasture (RP)		
...niferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
...rchard (OR)			Tilled land (TL)	✓	✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
...n (SC)	✓	✓	Open water (OW)		
...herbs" rural vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
...ical/undercut			Recontoured	✓	✓
...ical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
...ossile			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	✓	✓

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed beatable roots	☐	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

...te predominant flow sequence *(select up to three features)*: Glide - Pool

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	15.5	Banktop height (m)	2.2
Embanked height (m)	3.8	Water width (m)	10.0	Embanked height (m)	3.8
		Water depth (m)	1.8		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

RIVER MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

CATCHMENT LAND USE

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ..
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pea ☐ Fleas ☐

NOTICEABLE CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTICEABLE BANKSIDE VEGETATION

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Native Rhododendron bracteo

OTHER OBSERVATIONS

Major impacts: bed/fill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Shallow channel. Extensive filamentous algae.

ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) (work for plant, concrete and associated records)

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEYED STRETCH OF RIVER

Reference network site number: 6752

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM113854 River: UN-NAMED

Date: 9.7.1996 Time: 11:50 Surveyor name P. Fedeli Accreditation code. PF35

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND BOULDERS (estimate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITHIN SPOTCHECKS

TALLY (use flat) for: Riffles | Pools | Unveg. side bars | Veg. point bars

E PHYSICAL ATTRIBUTES

Spot check 1 u. upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (av. at 10, 20, 50, 100, 150, 200, 250, 300)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) (NE, NO, RS, RP, CM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s) (NV, NO, EC, SC, PB, VT, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * (NV, BE, BO, CO, GF, SA, SI, CL, PL, AR)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape (FL, CH, CL, D, CU, FO, OL, Other - use)	IR	IR	IR	IR	IR	NV	IR	IR	NV	NV
Pool type * (FT, CN, SW, UW, CF, RT, HP, SW, PP, BO)	SM	SM	MS	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (NE, NO, CV, RS, RI, DA, FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV, NO, RO, RS, VS, RI, TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material (av. at 10, 20, 50, 100, 150, 200, 250, 300)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, RS, RP, CM, EM)	RC	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NV, NO, EC, SC, PB, VT, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from BL, CF, OR, MR, SC, TH, AF, RB, OW, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK-TOP (structure within 1m) S/U/S/C	U	S	S	S	C	C	C	S	S	S
LEFT BANK FACE (structure) S/U/S/C	S	S	S	S	S	S	C	C	C	S
RIGHT BANK FACE (structure) S/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) S/U/S/C	S	U	U	S	U	U	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IS	TL	TL	TL	TL	TL	RP	RP	RP	RP

F CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/fucbeas										
Emerg broad-leaved herbs	/	/	E	E	E	E	/	/	E	E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating	/	/								/
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae				/		/	/	/	/	/

SITE NO. 6752 — 1996 RIVER HABITAT SURVEY (RHS) SURVEY DETAILS

G LAND USE WITHIN 50m OF BOTH BANKS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs*, reed, sedge/rush (TH)			Suburban/urban development (SU)		

H BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	/	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle	E	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched	/	/
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☑	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Mostly No pool/ttle

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1996 RIVER HABITAT SURVEY DIMENSIONS AND DEPTHS

K CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull width (m)			5.50	Bankfull width (m)	
Bankfull height (m)	1.90	Water width (m)	0.80	Bankfull height (m)	1.60
Embanked height (m)		Water depth (m)	0.02	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ (tick one box)

L ANTHROPOGENIC FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = / Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N EXTENT OF ARTIFICIAL FEATURES

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ..
Bridges/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

P RIVERSIDE ENHANCEMENTS (tick one box per feature)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

Q OTHER ENHANCEMENTS (tick one box per feature)

Major impacts: landfill - fencing - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Little water in this channel, much siltation. Steep, high B.B.

R ALIEN PLANTS

Alien? None ☑ Present ☐ Extensive ☐ Discussed Alien? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1, 2, 3)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6753

Mid-site grid reference of network site if different from designated location:

Grid Reference TM 247922 River WAVENEY

Date 19/9/1996 Time: 11.30 Surveyor name P. Scott Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☑ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES/POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE Name/Ref no. Riffle Pools Diverg. side bar Veg. from bank

E. PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* * = one entry only.

Spot check (*) upstream / downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(looking downstream)*										
Material *	EA	LT	EA	EA	LA	LA	EA	LA	LA	LA
Bank modification(s)	NO		NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	SI	SI	SI	SI	SI	NU	SI	SA	SA	SA
Substrate shape	NO	NO	NU	LR	LR	NE		NA	NA	NA
Flow type *	FM	SW	SM	RI	SM	SM	NF	NF	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO		NO	NO	NO	NO	NO
RIGHT BANK *(looking downstream)*										
Material *	LA	LT	EA	EA	LA	LA	EA	LA	LA	LA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, HR, SC, TW, RF, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SU	C	TH	SU	SU	I	I	I	I	I
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	S	S	S	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	S	S	S	U	U	U	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TH	BL	I	I	I	I	I	I	I

G. CHANNEL VEGETATION TYPES *(in wetted transect, or 0.5 m either side) or bank (if present) 20m reach*

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	E
Emerg reeds/sedges/rushes	/	/	/	/	/				/	
Floating-leaved (rooted)										
Free-floating	/	/	/	/	/	/	/	/	/	
Amphibious										
Submerged broad-leaved								/		
Submerg fine/linear-leaved										
Filamentous algae	/	/	/	/				/	E	

H. LAND USE WITHIN 5m OF BANKTOP *(Use EV > 33% bankside length) or V if present*

	L	R		L	R
Semi-natural/mixed woodland *(BL)*		/	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	L	L
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' *rank vegetation (TH)*	/		Suburban/urban development *(SU)*	E	/

I. BANK PROFILES *(Select dominant, & subdominant)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Steep (>45°)	E	E	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Concave			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☑	☐	☐

K. IN-CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)		☑	☐
Run(s)	☑		
Pool(s)	☑		
Glide(s)			☑
Poach(s)	☑		☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☑
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

are predominant flow sequence *(select up to three features)*

L. CHANNEL DIMENSIONS *(to be measured at one site on a straight uniform section, preferably across a riffle)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.75	Bankop width (m)	16.0	Banktop height (m) 1.5
Embanked height (m)		Water width (m)	10.25	*Embanked height (m)*
		Water depth (m)	0.75	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES *(indicate total number present (if appropriate))*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O. FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P. CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. FLOODPLAIN CHARACTERISTICS *(tick appropriate box(es) and indicate primary and secondary as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S. VOLUME *(tick appropriate box(es))*

Alders? None Present Extensive Diseased Alders? None Present Extensive

RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DATA

Reference network site number: 6754

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 35843 River: Tas Suc

Date 5.IX.1996 Time: 9.20 Surveyor name NNicolson Accreditation code: TFLL

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* NO flow

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND ONE BANK POINT BARS

Riffles	0	Unvegetated point bars	1
Pools	6	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY TRANSECT CHECKS

TALLY (use first) for - Riffles | Pools | Unveg. side bars | Veg point bars

CHANNEL SUBSTRATES

Spot check 1 in: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL VEGETATION

Channel substrate	GA	GA	GA	GA	GA	SA	GA	GA	GA	GA
Substrate shape	NA	NA	NA	NA	NA	NA	NO	NO	NO	NO
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIPARIAN VEGETATION

Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	PS	NO	NO	NO	NO

LAND USE AND DISTANCE FROM STRUCTURES

Land use: choose one from: BL, CF, OR, MH, IG, TH, RP, HO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	TH	TH	IG	IG	SC	SC	BL	TH	IG
LEFT BANK-TOP (structure within 1m)	NO	-	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	NO	-	S	S	S	-	S	S	S	S
RIGHT BANK FACE (structure)	NO	S	-	-	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	NO	S	-	NO	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	L	TH	SL	SC	SC	BL	SC	IG

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5						✓				
Bryophytes/lichens							✓			
Emerg broad-leaved herbs	E	✓	✓	✓				✓	✓	✓	✓
Emerg reeds/sedges/rushes	E	✓		✓					✓		✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/dissec-leaved											
Filamentous algae						✓		✓	✓		✓

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	6.7	RIGHT BANK
Banktop height (m)	1.1	Water width (m)	2.4	Banktop height (m)
Embanked height (m)	/	Water depth (m)	0	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Other = 1 Pipe BANK L from pole
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

BANKSIDE LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pan ☐ Flush ☐

OVERHANGING CHANNEL

6-33% or more of the channel choked with vegetation? NO ☐ YES ☑

NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? . Nettle Rhododendron bracken

ENGINEERING QUALITY

Major impacts: bank(S) - dipping - litter - sewage - pollution (dumping) - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland (abandoned bank) - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Nb flow.

ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

Site No. 6754

BANKSIDE VEGETATION

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recectioned		
Vertical + toe		✓	Reinforced - whole bank		
Slip (>45°)	E	E	Reinforced - top only		
Cliff	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set back embankments		

BANKSIDE TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

INSTREAM CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pond(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Ie predominant flow sequence (*select up to three features*): Run - Run - Run

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6755

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 494 808 River: EASTON BROAD

Date: 5/7/1996 Time: 12.00 Surveyor name: N NURSE Accreditation code: PF64

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D SUMMARY OF SURVEY DIMENSIONS AND FEATURES

Riffles 0 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

TALLY (use BII) for - Riffles Pools Unveg. side bars Veg point bars

E1 CHANNEL ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
Material *	GA	GA	GA	GA	GA	GA	GA	GA	GA	AV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NK
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NV
Channel substrate *	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type *	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material *	GA	GA	GA	GA	-	GA	GA	GA	GA	SI
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E2 LAND USE AND VEGETATION

Land use: choose one from BL, CF, OR, MR, IC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓			✓	✓	✓	✓	E	✓
Emerg reeds/sedges/rushes	✓		✓				E	E	E	✓	✓
Floating-leaved (rooted)	✓										
Free-floating	✓	✓					✓		E	E	✓
Amphibious											
Submerged broad-leaved	E	E	E	E		E	✓	✓			✓
Submerg fine/linear-leaved											
Filamentous algae											

E3 LAND USE AND VEGETATION

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	-	✓	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactivated		
Vertical + toe		✓	Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

E4 TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

E5 CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Run

E RIVER HABITAT SURVEY: DIMENSIONS AND FEATURES

E1 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	4.8	Banktop height (m)	0.8
Embanked height (m)	/	Water width (m)	3.5	Embanked height (m)	/
		Water depth (m)	0.5		

If waterline lower than banktop break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (complete) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

E2 CHANNEL MODIFICATIONS

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 1 Other = 1 FARM BRIDGE
Is water impounded by weirs/dams? No ☐ Yes, <33% of site ☑ >33% of site ☐

E3 CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

E4 ADJACENT LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridges/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E5 CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

E6 SOME ALIEN PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Azolla Rhododendron Bracken

E7 OTHER NOTABLES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - grazing - other? -

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - toad marble - horse dragonflies/damselflies

Other significant observations: [illegible]

E8 FISH

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with TDS mods for pilot genera and species Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6756

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 688 792 River: RHEIDOL

Date 4/6/1996 Time: 09:20 Surveyor name N GRIEVE Accreditation code PT 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☒ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☒ | IFE - VALLEY FORM NOTES: See below!

ENUMERATION OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 5 Unvegetated point bars

Pools Vegetated point bars

TO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles Pools Unveg. sedc bars Veg point bars

PHYSICAL ATTRIBUTES *(for the bankside zones (channel width) at the 10 spot checks only)*

Spot check 1 = upstream ... downstream 10

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(TICK if functional zone)*										
Material	EA	EA	EA	EA	EA	CO	CO	RS	EA	ES
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	VS	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	SD	CO	CO	CO	CO	SD	CO	CO
Substrate shape	FL	FL	TR	FL	CN	FL	FL	TR	FL	FL
Flow type	UW	SW	UW	UW	RP	UW	UN	RP	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *(TICK if functional zone)*										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VS	NO	NO	NO	VS	VS	VS	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 50m length)*

Land use, choose one from BL, CP, OR, MH, IC, TH, UP, IG, IL, WL, OW, EU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	RJ	RD	RP	RP	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)*	C	U	U	U	S	S	S	S	C	S
LEFT BANK FACE *(structure)*	C	C	S	S	S	S	S	S	C	U
RIGHT BANK FACE *(structure)*	S	S	S	S	S	C	C	S	S	C
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	S	C	C	C	C	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	BL	BL	RE	SC	SC	SC

G. ANNUAL VEGETATION *(to be assessed over a 50m length)*

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens					✓	✓			✓	✓
Emerg broad-leaved herbs									✓	✓
Emerg reeds/sedges/rushes		✓	✓	✓	✓		✓		✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved	✓	✓	✓	✓	✓		✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6756 1996 RIVER HABITAT SURVEY - SPOT CHECK DIMENSIONS Page 3 of 4

H. SPOT CHECK DIMENSIONS

	L	R		L	R
Coniferous/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs' and rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I. WOODY TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☒
Continuous	☒	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

J. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☐	☒	☐
Riffle(s)	☐	☐	☒	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid channel bar(s)	☒	☐	☐
Bed(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: LONG RIFFLES.

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INCIDENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	27.0	RIGHT BANK
Banktop height (m)	6.0 Water width (m)	20.0	Banktop height (m) 1.75
Embanked height (m)	— Water depth (m)	0.2	*Embanked height (m)* —

If trapezium lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 26.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

K. ENGINEERING FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

L. RIVER CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

M. FEATURES OF SPECIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☒	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☒
Leafy debris	☐	Fen	☐	Flush	☐

N. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

O. BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? Nettle Rhododendron bracken

P. OTHER OBSERVATIONS

Major impacts: bankfill (grazing) - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = > RHEIDOL POWER H/S

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Steep banks - terraced? Also water 'sno' Eliminated due to 'hydro scheme H/S.

Q. BANKSIDE TREES

Alders' None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE mods for plant genera and cascade) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6757

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 774789 River: MYHERIN.

Date: 4/6/1996 Time: 15:45 Surveyor name: N GRIEVE Accreditation code: PE12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (in the 500m stretch)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of

TALLY (use JAM) for Riffle (Pool) Upstr (ds bars) Veg (unit bars)

H PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide transect)

Spot check No. (upstream → downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if artificial)										
Material	EA	BE	EA	EA	EA	SA	BE	BE	EA	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	SB	SB	SB	SB	NO	NO	NO	NO
CHANNEL										
Channel substrate	BE	CO	CO	GP	CO	CO	BE	BE	CO	CO
Substrate shape	IR	FL	FL	DV	IR	FL	NA	NA	FL	FL
Flow type	CH	SM	UW	RP	BU	UW	(P	BW	UW	UW
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	RO	RO	RO	NO	NO	RO	RO
RIGHT BANK - TICK if (artificial) fence										
Material	BE	SA	EA	EA	EA	CO	BE	BE	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	NO	NO	NO	BC	NO

I BANKTOP AND LAND USE AND VEGETATION STRUCTURE (for 5m stretch across a 10m wide transect)

Land use: choose one from BL, CP, OR, AR, SC, IH, SF, IG, FL, HL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CO	CP	RP	RO	AH	RP	RP	CP	CP
LEFT BANK-TOP (structure within 1m) BA/NC	U	S	S	U	U	S	U	U	S	S
LEFT BANK FACE (structure) BA/NC	U	S	U	U	B	U	U	S	U	U
RIGHT BANK FACE (structure) BA/NC	U	S	U	S	S	S	U	S	B	S
RIGHT BANK-TOP (structure within 1m) BA/NC	U	U	U	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RO	RO	RP	AH	CO	CP	CP	CP	CP	CP

J PLANT SPECIES (within 5m x 10m transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓		✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes (stem dia.)				✓						✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae	✓	✓	✓		✓	✓		✓		✓

SITE NO 6757 1996 RIVER HABITAT SURVEY: CODES AND FIELD NOTES Page 3 of 4

K CODES FOR DOMINANT LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	E
Coniferous plantation (CP)	E	E	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MS)	✓	✓	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' semi vegetation (TH)			Suburban/urban development (SU)		

L BANK MATERIAL AND STRUCTURE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankments		

M LAND COVER ASSOCIATED WITH BANKTOP

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

N CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascade(s)	☐	☐	☑
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☑
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): CASCADE - POOL - RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

O CHANNEL DIMENSIONS (5m stretch)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	6.5	Banktop height (m)	0.35
Embanked height (m)	/	Water width (m)	6.0	Embanked height (m)	/
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

P CHANNEL MODIFICATIONS

None ☑ Number of Culverts = Fords = Weirs = Outfalls = Footbridges = Bridges = Other =

Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

Q INFLUENCE OF ADJACENT LAND MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other? State: .....

R FEATURES OF SPECIAL INTEREST

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☑ Leafy debris ☐ Artificial open water ☐ Natural open water ☐ Water meadow ☐ Pea ☐ Bog ☑ Other (state) Carr ☐ Marsh ☐ Flush ☐

S CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

T ADJACENT KNOTWEED MANAGEMENT

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

U OTHER MANAGEMENT & IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening (channelling) - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Ever wet - wood stream, upper reaches, mire, ...

V OTHER FEATURES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SURVEY FORMS FOR PLANT GENERA AND LOCATING SITES — Page 1 of

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6758

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 892758 River: NANT Y DERNOL

Date 5.1.96 1996 Time 09.30 Surveyor name N. SHEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ thallow vee — ☒ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☒ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick one box per feature)*

Riffles 18 Unvegetated point bars 2

Pools 12 Vegetated point bars —

© COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: RUN SPOT CHECKS — Page 2 of 4

TALLY (use DAY for Riffles, Pools, Unveg. point bars, Veg point bars)

A. PHYSICAL ATTRIBUTES (for 3 surveyed spot channel points at 5 m wide transect) *(tick one box only)*

Spot check 1 at upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *(BE,BO,CO,CB,EA,PE,CL,CC,SI,PP,GA,AR,SH,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ZM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(RP,NO,EC,BC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	SC	NO	NO	NO	PB
CHANNEL										
Channel substrate *(RP,BE,BO,CO,CB,SI,EA,CL,PE,AR)*	SP	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape *(FL,DY,CL,IP,CU,FO,IR, Others - note)*	IR	FL	FL	FL	FL	FL	FL	IR	IR	IR
Flow type *(TF,CH,SW,UW,CF,SF,UP,SM,RP,NO)*	UW	UW	SM	UW	CH	RP	UW	CH	UW	BW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,TO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(RP,NO,RO,WE,VB,NO,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NB	NO
RIGHT BANK TICK if functional feature										
Material *(BE,BO,CO,CB,EA,PE,CL,CC,SI,PP,GA,AR,SH,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ZM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(RP,NO,EC,BC,PB,VP,SB,VS)*	NO	NO	SB	SB	NO	NO	NO	NO	NO	EC

B. BANKTOP/LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	SC	IG	RP	RP
LEFT BANK-TOP *(structure within 1m)* BA/NC	U	U	U	U	U	U	S	U	U	U
LEFT BANK FACE *(structure)* BA/NC	U	U	U	U	U	S	U	S	U	U
RIGHT BANK FACE *(structure)* BA/NC	U	U	B	U	U	U	U	S	U	B
RIGHT BANK-TOP *(structure within 1m)* BA/NC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	WL	RP	RP

C. PLANT VEGETATION CODES *(tick one box per plant genera)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes					✓					✓
Floating leaved (rooted)										✓
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										✓

SITE NO. 6758 — 1996 RIVER HABITAT SURVEY: SPOT CHECKS — Page 3 of 4

D. CHANNEL MODIFICATIONS AND ENGINEERING

	L	R		L	R
reed/cleared woodland *(BL)*	✓		Rough pasture *(RP)*		
coniferous plantation *(CP)*		✓	Improved/semi-improved grass *(IG)*	✓	
orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' weed vegetation (TH)			Suburban/urban development *(SU)*	✓	

Natural/unmodified	L	R	Artificial/modified	L	R
vertical/undercut		✓	Recesioned		
vertical + toe			Reinforced - vehicle bank		
steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
spoil/s			Artificial two-stage		
			Pooled		
			Embanked	✓	
			Set back embankments		

E. PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging bought	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

F. PRESENCE OF OTHER FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☐	☐	☒	Exposed bedrock	☒	☐	☐
Rapid(s)	☐	☒	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid channel bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☐	☒	☐
Pond(s)	☐	☐	☒	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (*select up to three features*): CASCADE - POOL - RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of

G. CHANNEL DIMENSIONS *(tick one box per feature)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	1.25	Banktop width (m)	
Banktop height (m)	0.5	Water width (m)	1.25	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

H. CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Fordbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

I. EVIDENCE OF CHANNEL MAINTENANCE

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State .....

J. FEATURES OF SPECIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☒
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

K. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

L. NOTABLE INVASIVE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nerda Rhododendron bushes

M. HUMAN INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening (afforestation) fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Upland stream. meandering. Some bank erosion obs (r)

N. RIPARIAN VEGETATION

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IHG moods for plant genera and species Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6759

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN988732 River: MARTOG

Date 5.6/1996 Time 11:40 Surveyor name N. GRIEVE Accreditation code PE12

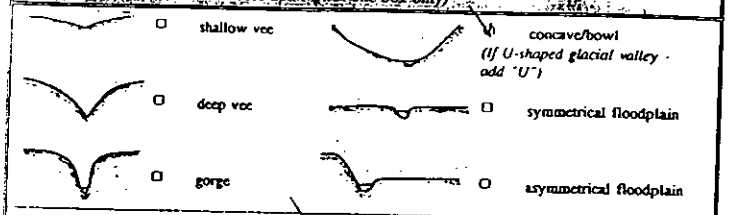
Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☒ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☒ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 7 Unvegetated point bars
Pools 4 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of

TALLY (use 5th) for - Riffles 4 Pools 4 Unveg point bars 1 Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 4 m wide transect)*

Spot check 1 = upstream → downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK Material	GS	EA	EA	EA	GS	EA	EA	EA	CO	GS
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	NO	NO	VS	SB	NO	NO	EC	NO	NO
CHANNEL Channel substrate	GP	GP	SI	CO	GP	GP	CA	CO	CO	CO
Substrate shape	FL	FL	NA	CU	FL	IR	FL	FL	FL	CU
Flow type	SM	LW	NO	LW	LW	SM	NP	LW	RP	LW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK Material	EA	GS	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	VS	VS	NO	NO	NO	VS	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	B	B	U	U	B	U	U	B	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	B	B	U	B	S	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IG	RP	RP	SC	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(for channel and both banks)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓									✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓			✓						✓
Floating-leaved (rooted)		✓	✓		✓		✓	✓	✓	✓
Free-floating										
Amphibious				✓			✓	✓		✓
Submerged broad-leaved										
Submerg fine/linear-leaved	✓			✓	✓		✓		✓	✓
Filamentous algae		✓		✓	✓	✓	✓	✓	✓	✓

H LAND USE WITHIN 50 m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' - rank vegetation (TH)			Suburban/urban development (SU)	✓	

I BANK SIDE CHARACTERISTICS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe	E	E	Reinforced - whole bank	✓	✓
Slump (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only (Old Cars)		
Composite	E	✓	Artificial two-stage	✓	
			Pooched		✓
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☒
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☒	☐	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☐	☒	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: LONG RIFFLE - POOL

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

L CHANNEL DIMENSIONS *(to be measured at least one bankfull cross section for each spot check, preferably across a riffle)*

LEFT BANK		Banktop width (m)	8.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	4.5	Banktop height (m)	1.1
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 6.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE INVASIVE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nottic Rhododendron bushes

R OVERALL IMPRESSIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = >DUD CARS MOSTLY !!

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering channel, eroding banks (including firing upwards sequence). V. few trees.

S HABITAT

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6760

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 098717 River: ITHON

Date: 5/6/1996 Time: 14.50 Surveyor name: N GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 7 Unvegetated point bars

Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of 4

TALLY (use UH) for Riffles Pools Unveg side bars Veg point bars

E. PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ✓ = one only, ✓✓ = one only

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *WW,BE,BO,CO,GB,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	NO	NO	NO	PC	NO	PC	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	VS	NO	NO	NO	VS	NO	SB	SB	NO	NO
CHANNEL										
Channel substrate *WW,BE,BO,CO,GP,SA,SI,CL,PE,AB*	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape *FL,OV,EL,IP,CU,PO,IR, Others - note*	PO	CU	PO	PO	PO	IR	PO	IR	IR	IR
Flow type *FF,CH,BW,UW,CF,SF,UP,SW,NP,NO*	SM	RP	UW	UW	RP	UW	RP	UW	SM	SM
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	RO	RO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *WW,BE,BO,CO,GB,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	CO	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	NO	NO	PC	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	VS	NO	SC

F. BANKTOP/LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, MR, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	S	S	S	S	C	U	U	U	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	C	S	S	C	C	C	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	C	C	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES *(% cover)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	E	✓	✓	✓	✓	✓	✓
Emerg broad leaved herbs Phragmites	✓	✓	✓	✓	✓	✓			✓	✓
Emerg reeds/sedges/rushes Eq.	✓				✓		✓	✓		✓
Floating leaved (rooted)	✓						✓			
Free-floating										
Amphibious	✓		✓		✓					✓
Submerged broad leaved										
Submerg fine/linear-leaved	✓		✓	✓	✓					✓
Filamentous algae										✓

SITE NO. 6760 1996 RIVER HABITAT SURVEY SPOT CHECKS Page 3 of 4

H. LAND USE WITHIN 50m OF TOP

	L	R		L	R
Woodland/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
"All herbs" weed vegetation (TH)			Suburban/urban development (SU)		

I. BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	✓		Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J. EXTENT OF TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☐	☑
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K. FREQUENCY OF FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankfull height (m)	0.7	Bankfull width (m)	16.0	
Embanked height (m)		Water width (m)	14.0	Bankfull height (m) 1.5
		Water depth (m)	0.2	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF BANKSIDE MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O. FEATURES OF RECREATIONAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pen ☐ Flush ☐

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. NOTABLE NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL ASSESSMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Steep banks mostly, water - bit cloudy (1.)

S. ALDERS

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for plant genera and species - page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Grid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6761

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 185733 River: LUGG

Date 6/6/1996 Time: 12.00 Surveyor name: N GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* ....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(tally and total counts)*

Riffles 15 Unvegetated point bars

Pools 12 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SUN SPOT CHECKS - page 2 of

FALLS (use 'riffle' for Riffles) No. Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, within 5m wide transect)* - one check only

Spot check No.	1	2	3	4	5	6	7	8	9	10	
LEFT BANK - TICK if functional feature	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
Material	EA	CO	BE	EA	EA	BE	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	SB	SB	NO	NO	NO	NO	NO	NO	NO	
CHANNEL - TICK if functional feature	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
Channel substrate	CO	CO	CO	CO	CO	BE	CO	CO	CO	CO	
Substrate shape	FL	FL	IR	IR	PO	NA	FL	FL	FL	FL	
Flow type	UW	SH	UW	CH	BW	CH	UW	CH	UW	UW	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	RO	NO	RO	NO	NO	RO	RO	NO	NO	
RIGHT BANK - TICK if functional feature	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
Material	EA	BE	CL	EA	BE	BE	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	SB	NO	SC	NO	SB	NO	NO	NO	NO	SB	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from ar, CP, OA, HR, IC, IN, AP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	PO	BL	SC	BL	BL	IG	IG	SU	SU
LEFT BANK-TOP *(structure within 1m)*	LI	U	S	U	S	S	U	U	B	U
LEFT BANK FACE *(structure)*	S	C	LI	U	S	S	U	S	U	S
RIGHT BANK FACE *(structure)*	U	U	C	S	U	S	U	S	U	U
RIGHT BANK-TOP *(structure within 1m)*	S	B	U	S	C	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	CR	SC	RP	BL	BL	IG	IG	BL	IG	IG

G PLANT SPECIES LIST *(all species recorded)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	E	✓	E	✓	E	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										✓

SITE NO. 6761 1996 RIVER HABITAT SURVEY SUN SPOT CHECKS - page 3 of

H LAND USE WITHIN 50m OF BANKTOP (TICK if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)	✓	E
Coniferous plantation (CP)		✓	Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	✓	Open water (OW)		
Tall herbs' near vegetation (TH)	✓	✓	Suburban/urban development (SD)	✓	

I BANK MATERIAL

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only	✓	
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched	✓	
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☒
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K CHANNEL FEATURES

	None	Present	5 (≥ 33%)		None	Present	5 (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(s)	☐	☐	☒	Exposed bedrock	☐	☐	☒
Rapid(s)	☐	☒	☐	Exposed boulders	☐	☒	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☐	☒	☐
Bay(s)	☐	☒	☐	Mature island(s)	☐	☒	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☐	☒	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (*select up to three features*): CASCADE - POOL - LONG GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND DIRECTIONS - page 4 of

L CHANNEL DIMENSIONS *(to be measured at a single representative cross-section)*

LEFT BANK		Banktop width (m)	7.5	RIGHT BANK
Banktop height (m)	1.5	Water width (m)	2.0	Banktop height (m) 1.5
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)

If trackline lower than banktop break in slope, indicate: height (m) = 0.4 width (m) = 3.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges ☒ Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N RIVER CHANNEL MANIPULATION

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O WATERFALLS OR CASCADES

None ☐
Waterfalls > 1m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE PLANTS *(tick all species present)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron bracken

R ALL ACTIVITIES

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - sand martin - heron - dragonflies/damselflies -

Other significant observations: Interesting channel - deep cut - CO mostly long RC - CU ; SC2 in small valley valley

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6762

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 264740 River: TEME

Date 9 / 3 /1996 Time 9.45 Surveyor name P Scott Accreditation code IF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 9 Unvegetated point bars |

Pools | Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 'iiii' for 5) Riffles 1 / 1 / 1 | Pools | Unveg side bars | Veg point bars

G PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream, downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material '	EA	BP	BP	EA	BP	BP	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	EC	EC	EC	EC	NO	EC	EC	NO
CHANNEL NEW - substrate shape codes '	Flat Ovoid Elongate Spheroid Cobbl Polyhedral Irregular Other - see									
Channel substrate '	BP	BP	CO	BP	CO	CO	BP	BP	BP	CO
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type '	RP	SM	CW	RP	RP	RP	SM	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material '	BP	EA	BP	EA	BP	CO	BP	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	EC	SB	EC	NO	NO	EC	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from HE, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	TH	IG	IG	IG	IG	TH	SC	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	B	U	U	U	U	U	U	S	U
LEFT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	B	B	S	B
RIGHT BANK FACE *(structure)* B/U/S/C	B	U	B	U	B	B	S	B	B	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	U	U	U	S	B	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	RP	RP	RP	IG	IG	TH	RP

G CHANNEL VEGETATION TYPES *(10m wide transect: E (≥ 33% area) or tick (present) 500m 'catch-all'* →

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs									✓	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae							✓			

ITE NO. 6762 1996 RIVER HABITAT SURVEY 200m SWEEP UP

LAND USE WITHIN 5m OF BANKTOP (L) & (R) (% estimates) & all present

	L	R		L	R
roadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)	✓	
"tall herbs" rank vegetation (TH)	✓		Suburban/urban development (SU)		

BANK PROFILES & SLOPE CATEGORIES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	✓	Recectioned		
Vertical + toe	✓	✓	Reinforced - whole bank		✓
Steep (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

icate predominant flow sequence *(select up to three features)*: rubble / run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

J CHANNEL DIMENSIONS (e.g. measured at site and at a straight or uniform section, preferably 20 wetted widths)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.75	Bankfop width (m)	9.20	Banktop height (m)	0.65
Embanked height (m)		Water width (m)	8.50	*Embanked height (m)*	
		Water depth (m)	0.15		

If trapezoidal lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☑ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE/NUISANCE PLANT SPECIES *(Code E (≥ 33%) or tick (present) 500m LARGE STANDS of others eg*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R EVIDENCE OF ACTIVITIES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 2 dipped casting - 15% in open grassland - much rhizome, very wet, actual section, shallow, [illegible] flowing, no deep - bed hill generally stable, woody present, RHS steep. In 1st hill, one v dd ck the channel - c.p/trap RE on loop end.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6763

Mid-site grid reference of network site if different from designated location:

Grid Reference SO 370 772 River: UNNAMED?? CHECK NAME (NOT TEME)

Date 9/5/1996 Time: 12:00 Surveyor name P. Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 16 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use IIII) for - Riffles |||| Pools | Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one entry only

Spot check (1 = upstream, 10 = downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence									✓	✓
Material *(AR, BE, BO, CO, CS, EA, FI, CL, CC, SP, WP, GA, BR, SA, SW)*	EA	EA	EA	RP	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RI, PC, BM, ED)*	No	No	NO	NO	NO	NO	NO	NO	NO	No
Bank feature(s) *(NV, NO, EC, SC, PB, VP, SB, VS)*	No	No	NO	NO	NO	NO	NO	NO	NO	EC
CHANNEL NEW - substrate, shape, flow type, modifications, features										
Channel substrate * *(AR, BE, BO, CO, GP, SA, SI, CL, PE, AB)*	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape *(FL, CV, EL, SP, CU, PO, IR, Others - note)*	FL	FL	FL	IR	IR	IR	IR	FL	IR	IR
Flow type * *(FF, CH, BW, UW, CF, RP, UP, SM, WP, NO)*	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) *(NE, NO, CV, RS, RI, DA, FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV, NO, BO, MB, VB, MI, TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *(AR, BE, BO, CO, CS, EA, FE, CL, CC, SP, WP, GA, BR, SA, SW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RI, PC, BM, ED)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV, NO, EC, SC, PB, VP, SB, VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	TL	TL	TL	TH	TL	TH	TL	TH	TL	TH
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	U	S	U	U	U	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	U	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TH	TH	TL	TL	TH	TL	SC	SC

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥ 33% area) or tick (present) 50m 'catch-all')*

NONE / PLANT GENERA - list first 5						/	✓	✓		
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	/	✓		✓				✓	✓
Emerg reeds/sedges/rushes	✓									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae				/						

SITE NO. 6763 1996 RIVER HABITAT SURVEY: SUBSTRATE Page 3 of 4

H SUBSTRATE WITHIN 5m OF BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs' rank vegetation *(TH)*	✓	✓	Suburban/urban development *(SU)*		

I BANK CONSTITUENTS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/		Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Run / Riffle

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 50m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.60	Banktop width (m)	1.75	Banktop height (m)	0.60
Embanked height (m)		Water width (m)	1.25	*Embanked height (m)*	
		Water depth (m)	0.10		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R QUALITATIVE ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: quite (having fished it...) ... Occ'd aerial bit keenest more wooded DIS end. Fields down for feed into stream.

S ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Waders found muddle ← notes on dead animal.
2 big canals
5 toes
Back 3 length & body

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

J FIELD SURVEY DETAILS

Reference network site number: 6764

Mid-site grid reference of network site if different from designated location:

Grid Reference: So 450749 River: TEME

Date 9/5/1996 Time 15:04 Surveyor name P. Crockett Accreditation code PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ concave/bowl *(If U-shaped glacial valley add "U")*
☐ deep vee
☑ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES: ISE part of section ASSO

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JH!) for · Riffles | Pools | Unveg. side bars | Veg joint bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☐ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,BR,SI,SW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if new substrate, shape types etc.										✓
Channel substrate ' *NV,BE,BO,CO,GF,SA,SI,CL,PE,AR*	NV	NV	NV	CO	CO	CO	BP	CO	NV	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	/	FL	FL	FL	IR	NV	/	FL
Flow type ' *FF,CH,RW,UW,CF,RP,VP,SM,MP,PO*	SM	SM	SM	SM	RP	RP	SM	SM	SM	SM
Channel modification(s) *NE,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,MO,RO,MB,VB,RI,TB*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,BR,SI,SW*	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	RE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	RP	RP	RP	RP	RP
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	C	C	C	B	S	U	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	C	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	U	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	NV	U	U	U	U	S	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(Use wide transect, 4 Ex. 33% area) or tick (present) 50m side all*

NONE / PLANT GENERA - list first 5	/	/	/	/		/				
Bryophytes/lichens										
Emerg broad-leaved herbs					/					/
Emerg reeds/sedges/rushes					/					/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved								/		
Submerg fine/linear-leaved										
Filamentous algae							J	/	/	/

TE NO. 6764 1996 RIVER HABITAT SURVEY: SIDE SHEET UP

AND USE WITHIN 50m OF BANKTOP (if different from 5m)

	L	R		L	R
adical/mixed woodland (BL)	E	E	Rough pasture (RP)	E	
niferous plantation (CF)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
orland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
ub (SC)			Open water (OW)		
herbs" rank vegetation (TH)			Suburban/urban development (SU)		

BANK AND BANKSIDE FEATURES

	L	R		L	R
tural/unmodified			Artificial/modified		
ical/undercut	/	E	Resectioned		
ical + toe			Reinforced - whole bank		/
Steep (> 45°)	E	/	Reinforced - top only		
de	✓		Reinforced - toe only		
posite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging bought	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

IN-CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Rate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

B CHANNEL DIMENSIONS *(to be assessed at one site on a straight and representative stretch of river)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.60	Water width (m)	17.0	Banktop height (m)	1.00
Embanked height (m)		Water depth (m)	0.80	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

C ARTIFICIAL BARRIERS

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

D EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

G FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

H CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

I NOTABLE NUISANCE PLANTS *(tick appropriate box(es))*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle Rhododendron bracken

J OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) sand martin - heron - dragonflies/damselflies

Other significant observations: lower part of site located up by upper reaches Ramsbeam. Flow more active upstream. A small patch of Japanese knotweed. Area often to be used as a pleasant picnic with some plants present.

K ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number 6765

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 547718 River: Ledwyche Brook

Date 9/5/1996 Time: 17:50 Surveyor name P. Scarlett Accreditation code IF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 5 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use IIII) for Riffles //// Pools // Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *' HV,ME,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EP	EA	EA	EA	EA	EA	DA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	PC	NO	NO	NO	NO	NO
Bank feature(s) *HV,MO,EC,SC,PB,VP,SB,VS*	NO	SE	NO	NO	NO	CO	NO	NO	NO	NO
CHANNEL <NEW: substrate shape codes>	*1Flat 2Wedd 3Lamped 4Pooled 5Shelf Polycled 6Irregular Other*									
Channel substrate *' HV,ME,BO,CO,CP,SA,SI,CL,PE,AR*	SP	BP	BE	SP	SP	SP	BP	NV	SP	BE
Substrate shape *FL,CH,SW,UW,CF,EP,UP,SM,MP,NO*	IR	IR	/	IR	IR	IR	IR	R	IR	R
Flow type *' FT,CH,SW,UW,CF,EP,UP,SM,MP,NO*	SM	SM	RP	RP	SM	SM	SM	UP	SM	SM
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *HV,NO,BO,MR,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *' HV,ME,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	ND	NO	NO	NO	NO	NO
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	EC	EC	NO	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	FS	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	U	S	U	U	S	S	S	S	S
LEFT BANK FACE *(structure)* BA/US/C	S	S	S	S	B	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	G	B	S	S	S	S	G	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	U	S	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TH	TL	TL	TL	TL	TL	TL	BL

G CHANNEL VEGETATION TYPES *(for each transect: E (≥ 33% areal) or tick (present) 500m² corridor)*

NONE / PLANT GENERA - list first 5		/				/	/	/		
Bryophytes/lichens						/			/	/
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										/
Filamentous algae	/		/	/	/	/				

SITE NO. 6765 — 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP — Page 3 of 4

E LAND USE WITHIN 50m OF CENTRE (Tick all that apply) *(Estimate %)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

H BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	E	Reinforced		
Vertical + toe		✓	Reinforced - whole bank		
Steep (>45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	/		Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

I INCIDENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

J CHANNEL FEATURES & MATERIALS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

A CHANNEL DIMENSIONS *(Estimate)* *(to nearest 0.1m)*

LEFT BANK				RIGHT BANK	
Banktop width (m)			9.70	Banktop width (m)	
Banktop height (m)	1.10	Water width (m)	8.20	Banktop height (m)	1.90
Embanked height (m)		Water depth (m)	0.30	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B ANCILLARY STRUCTURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

F CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

G NOTABLE NUISANCE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

H OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations: Very steep, banks high

I ALDER *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number. 6766

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO665730 River: REA

Date 6/5/1996 Time 14:30 Surveyor name P Scarlett Accreditation code. PF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley add 'U')*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	4	Unvegetated point bars	
Pools	1	Vegetated point bars	

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FALLS (one diff. for Riffles 1 1 1 | Pools / Unveg. side bars Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* * = one entry only

Spot check (1 = upstream, 10 = downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓									
Material *	CL	CL	EA	EA	EA	CL	CL	BR	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RT	PC	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	RSB	NO	EC
CHANNEL NEW - substrate shape codes =	Plan: Of=oil Rl=rapid Rf=riffle Cl=still PO=pool Br=gravel Other = note									
Channel substrate *	CO	CO	NV	CO	BR	RI	BR	CO	BR	CO
Substrate shape	FL	IR	/	FL	IR	NV	NV	IR	IR	IR
Flow type *	SM	SM	SM	SM	SM	SM	SM	UW	NP	RP
Channel modification(s)	NO	NO	NO	RO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	RO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *	EA	EA	CL	EA	EA	EA	EA	BR	BR	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RI	RI	NO
Bank feature(s)	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, HR, HH, IC, TH, RP, RS, TI, WI, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	RP	TH	RL	IP	IP
LEFT BANK TOP *(structure within 1m)* BANSC	U	S	S	U	S	U	U	S	S	U
LEFT BANK FACE *(structure)* BANSC	S	S	S	S	S	U	U	U	B	S
RIGHT BANK FACE *(structure)* BANSC	S	S	S	S	U	S	S	S	U	S
RIGHT BANK TOP *(structure within 1m)* BANSC	S	S	U	U	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES *(10m wide transect: if (≥ 33% area) or tick (present), 500m 'catch-all' →)*

NONE / PLANT GENERA - list first 5										
	✓	✓	✓	✓	✓	✓	✓	✓		
Bryophytes/lichens								✓		✓
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved									✓	✓
Filamentous algae								✓		✓

SITE NO. 6766 1996 RIVER HABITAT SURVEY: SCORING SHEET Page 3 of 4

SUBSTRATE COMPOSITION

	L	R		L	R
Bedrock/mixed woodland (BL)	✓	E	Rough pasture (RP)		E
Arable/horticulture (CP)			Improved/semi-improved grass (IG)	E	
Suburban/urban (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Other* rank vegetation (TH)	✓		Suburban/urban development (SU)		

SUBSTRATE COMPONENTS

Natural/unmodified	L	R	Artificial/modified	L	R
Boulder/cobble			Resectioned		
Bedrock	✓		Reinforced - whole bank	✓	✓
Cliff (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Concrete			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

BANK VEGETATION FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	☐	✓	☐	Exposed bedrock	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS *(Do not measure in enlargements, pools or other anomalous features)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	11	Banktop width (m)	
Banktop height (m)	1.35	Water width (m)	9	Banktop height (m)	1.50
Embanked height (m)		Water depth (m)	0.55	*Embanked height (m)*	

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = Railway Bridge (disused)
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT/CLEARANCE

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State

FEATURES OF SPECIAL INTEREST

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

NOTABLE NUMBERS OF INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nordic Rhododendron bracken

OVERALL LOCATION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstructions - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Silt + d etc (after railway bridge) very silt bed from upper reaches. Shallow, better flowing (riffles) etc majority of slow flowing, quite deep.

ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6767

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 797715 River: SEVERN

Date 6/6/1996 Time: 11:40 Surveyor name: P. Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state

Bed of river visible? No ✓ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ✓ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (see IFE) for: Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) * one only entry

Spot check 1 m upstream / downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material * (NV,BE,BO,CO,CS,SA,PE,CL,CC,SI,MM,GA,BE,SH,AR)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s) (NE,MO,RS,RI,PC,BM,EM)	No	No	No	No	No	RR	No	No	No	No
Bank feature(s) (NV,MO,EC,SC,PB,VP,SB,VS)	No	No	No	No	No	No	No	No	No	No
CHANNEL - - - NEW - substrate shape codes apply	Flat Glide Elongate Riffle Chaotic Cascade Undefined Step/pool Other/none									
Channel substrate * (NV,BE,BO,CO,GF,SA,SI,CL,PE,AR)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape (FL,GV,EL,SP,CU,PO,BE,Other,none)	/	/	/	/	/	/	/	/	/	/
Flow type * (FF,GN,BW,UW,CF,RP,UP,SN,NP,NO)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (NE,MO,CV,RS,RI,BM,EM)	No	No	No	No	No	No	No	No	No	No
Channel feature(s) (NV,MO,BO,WR,VR,MI,TR)	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if fractional fence	✓		✓							
Material * (NV,BE,BO,CO,CS,SA,PE,CL,CC,SI,MM,GA,BE,SH,AR)	BE	BE	NV	NV	EA	EA	BR	EA	EA	EA
Bank modification(s) (NE,MO,RS,RI,PC,BM,EM)	No	No	No	No	No	No	Ri	No	No	No
Bank feature(s) (NV,MO,EC,SC,PB,VP,SB,VS)	No	No	No	No	No	No	No	No	No	No

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from (IE,CP,HR,WH,SC,IN,RP,IG,TL,WI,OW,SU)

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP (structure within 1m) BRIDGE	NV	NV	NJ	NV	NJ	NV	NJ	NV	NJ	NJ
LEFT BANK FACE (structure) BRIDGE	S	NV	NV	NV	NV	NV	NV	NV	NJ	NJ
RIGHT BANK FACE (structure) BRIDGE	S	S	S	S	C	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BRIDGE	U	U	U	S	S	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SC	ES	TL	TL	TL

G CHANNEL VEGETATION TYPES (10m wide transect: E if ≥ 1/3 area) or tick (presence) 100m each end

NONE / PLANT GENERA - list first 5			✓	✓		✓		✓	✓	
Bryophytes/lichens		✓			✓	✓				
Emerg broad-leaved herbs	/						✓			
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae		/								

SITE NO. 6767 1996 RIVER HABITAT SURVEY: 200m SWEEP UP

H LAND USE WITHIN 50m OF BANKTOP (tick all that apply) (E if ≥ 1/3 area)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	E	E

I BANK MATERIAL (boulder - cobble - pebble - gravel - sand - silt - clay - peat - bedrock - artificial)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		E	Revetment		
Vertical + toe			Reinforced - whole bank		✓
Sloop (>45°)	✓	E	Reinforced - top only	✓	
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

J AMOUNT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	☐
Continuous	☐	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/3 %)
Shading of channel	✓	☐	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K AMOUNT OF FEATURES AND HABITAT TYPES

	None	Present	E		None	Present	E (≥ 1/3 %)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature inbank(s)	✓	☐	☐
Oxbo(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight reach at least 20m long)

LEFT BANK		Bankfull width (m)	UK	RIGHT BANK	
Bankfull height (m)	UK	Water width (m)	UK	Bankfull height (m)	2.0
Embanked height (m)		Water depth (m)	UK	Embanked height (m)	

If trapezium: lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ✓ other ☐ (tick one box)

M ARTIFICIAL FEATURES

None ✓ Number of: Culverts = Fords = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ✓ Yes, <1/3% of site ☐ >1/3% of site ☐

N VEGETATION REMOVAL AND MANAGEMENT (within last year)

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST (tick one box(es))

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 1/3% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE PLANTS (list up to 5 species)

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - piling - other? = Boating -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: many boats/pleasure craft using river, lots of fishing stands on RB. At site 1,2,5 BE is extensive to river. Some way but not built right could ask for all hillside up to RB

S ALDERS (tick one box)

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 6768

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 909795 River: HOO BROOK.

Date: 16/7/1996 Time: 11.45 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND UNDERCUT BANKS

Riffles 21 Unvegetated point bars

Pools 9 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SITE SPOT CHECKS

PAGE 2 OF 4

FULLY (see p1) for Riffles RANDOM Pools 9 Using side bars Vee present bars

B PHYSICAL ATTRIBUTES (for 5 spot checks at equal intervals along channel, within 5 m of tape)

Spot check 1 to 10	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	RS	RS	NO
Bank feature(s)	NO	NO	SB	NO	NO	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate	GP	FP	SA	GP	SA	GP	FD	SI	GP	GP
Substrate shape	OV	OV	NA	OV	NA	OV	OV	NA	OV	OV
Flow type	SM	UW	SM	SM	NP	UW	SM	NP	SM	UW
Channel modification(s)	RS	RS	RS	RS	NO	NO	NO	RS	RS	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	NO	NO	NO	RS	RS	RS
Bank feature(s)	SB	NO	NO	NO	EC	SC	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (for 5m x 10m plot)

Land use: choose most from IC, CP, OA, WD, RC, TR, OP, IG, FL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	TO	TH	SC	SC
LEFT BANK-TOP (structure within 1m) woody	S	S	S	C	S	S	U	U	S	S
LEFT BANK FACE (structure) woody	C	S	S	S	C	C	S	S	S	C
RIGHT BANK FACE (structure) woody	U	U	S	U	B	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) woody	U	U	U	U	S	S	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TH	TL	BL	TH	TH	TH	SC	TH

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓	✓	✓	✓	✓		✓	✓
Emerg broad-leaved herbs	Epi					✓	✓			
Emerg reed/sedge/rushes	phal						✓			
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/filam leaved										
Filamentous algae										

E NO. 6768

RIVER HABITAT SURVEY: SITE SPOT CHECKS

PAGE 3 OF 4

A SUBSTRATUM AND FEATURES

	L	R		L	R
Bedrock/exposed weathered (BE)	E		Rough protrusions (RP)		
Morass/peat/alluvium (CP)			Improved/semi-improved grass (IG)		
Artificial (OA)			Tilled land (TL)		E
Moorland/heath (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		✓
Herbs/ rank vegetation (TR)	✓	✓	Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
Unvegetated	E	✓	Resectioned	E	E
Riffle & run			Reinforced - whole bank		
Pool (>45°)	✓	✓	Reinforced - top only		
Cascade			Reinforced - toe only		
Waterfall			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

B TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)	None	Present	E (≥ 1/3 S)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

C INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 1/3 S)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☐	☒
Peat(s)	☐	☐	☒	Vegetated side bar(s)	☐	☒	☐

The predominant flow sequence (select up to three features): RIFFLE - POOL - GLIDE

RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES

PAGE 4 OF 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankface width (m)	3.1	Bankface width (m)			
Bankface height (m)	0.5	Water width (m)	1.4	Bankface height (m)	0.65
Embanked height (m)	/	Water depth (m)	0.06	Embanked height (m)	/

If vertical/near vertical bankface break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (rock) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

B INFLUENCES

None ☐ Number of: Culverts = Fords = Weirs = Outfalls = Fords = Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐

Enhancement ☐ Other ? State .....

D NATURAL FEATURES

None ☐

Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state) .....

Bridges/side channels ☒ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

E CHANNEL MODIFICATIONS

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (state) Indeterminate Species

G LAND USE

Major impacts: landfill - tipping - mines - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? =

Land Management: soil-acids - buffer strip - headland - abandoned land - parkland - MoD - other? = CONSERVATION AREA (LHB)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron Amphibians Invertebrates

Other significant observations: Small channel - mostly GP; BL (LHB) > Natural side bars. RC/Pool's.

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and species

A1-2 BACKGROUND MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6769

Mid-size grid reference of network site if different from designated location:

Grid Reference: River:

Date: 16/6/1996 Time: 10:30 Surveyor name: JJC Accreditation code: [illegible]

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C1-2 PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ deep vee
☐ gorge
☐ coocave/bowl *(If U-shaped glacial valley - add "U")*
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D1-2 NUMBER OF RIFFLES, POOLS AND POINT BARS *(count to nearest whole number)*

Riffles 1 | Unvegetated point bars 1
Pools 1 | Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS

TALLY (one dot) for - Riffles | Pools | Uncveg. side bars | Veg point bars

E1-2 LOCAL ATTRIBUTES

Spot check, 1 in: equivocal ☑ non-equivocal ☐	1	2	3	4	5	6	7	8	9	10
E2 BANK PHYSICAL STRUCTURE										
Material *	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s)	NC	NO	NO	NC	NC	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E3 CHANNEL										
Channel substrate *	CO	SI	SI	GR	GR	SI	SI	SI	SI	SI
Substrate shape	CU	NA	NO	NU	NU	NA	NA	VE	NA	NA
Flow type *	SU	RP	RI	RI	RI	RI	RI	RI	RI	RI
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO		
Channel feature(s)	NO	NO	NO							
E4 RIGHT BANK - SPOT II										
Material *	BA	BA	BA	BA						
Bank modification(s)	NC	NC	NC	NC						
Bank feature(s)	NO	NO		NO						

F1-2 BANKTOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from IR, CP, OL, OH, RC, TR, GP, IG, FL, WL, OW, IU

LAND USE WITHIN 5m OF BANKTOP (L)	26	SG	IL	IL	UR	RL	IL	IL	IL	IL
LEFT BANK-TOP *(structure within 1m)* MAN/NC	U	U	U	U	U	S	S	S	C	
LEFT BANK FACE *(structure)* MAN/NC	U	U	U	U	U	U	U	U		
RIGHT BANK FACE *(structure)* MAN/NC	U	U	U	U	U	S	S	U	U	
RIGHT BANK-TOP *(structure within 1m)* MAN/NC	U	U	U	U	U	C	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IL	IL	IL	IL	SI	CL	CL	CL	IL	IL

G1-2 CHANNEL VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓		✓				
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓							
Submerged broad-leaved	✓									
Submerg fine/filam-leaved										
Filamentous algae	✓	✓	✓	✓		✓	✓	✓	✓	

1996 RIVER HABITAT SURVEY

SITE NO. 6769

H1-2 OVERHEAD VEGETATION

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I1-2 BANK EROSION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	E
			Eroded		
			Set-back embankment		

J1-2 TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K1-2 CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: flow

1996 RIVER HABITAT SURVEY DIMENSIONS AND INCIDENCE

L1-2 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.2	Bankop width (m)		Bankop height (m)	0.2
Embanked height (m)		Water width (m)	0.45	Embanked height (m)	
		Water depth (m)	0.06		

If trapezium lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M1-2 ARTIFICIAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N1-2 MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? Date .....

O1-2 FEATURES OF CONSERVATION INTEREST

None ☑
Waterfalls > 1m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleush ☐

P1-2 CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q1-2 INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Rhododendron bracken

R1-2 OTHER FACTORS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - farmland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations:

S1-2 ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Downed Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND/BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Data

FIELD SURVEY DETAILS

Reference network site number: 6770

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 26.6.1996 Time: 12.10 Surveyor name HC Accreditation code. OFA?

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

DOMINANT VALLEY FORM

☒ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE : VALLEY FORM NOTES:

DOMINANT SUBSTRATE/FEATURES

Riffles 5 Unvegetated point bars —
Pools — Vegetated point bars —

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
... SOH, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER QUALITY SURVEY

TALLY (one tick for - Riffles 4 Pools Unveg. side bars Veg point bars

DISTANCE ATTRIBUTES

Spot check 1 m. upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Bank modification(s)	NO	NO	NO	NO				NO		NO
Bank feature(s)	NO	NO	NO	NO		TC		SW		SW
Channel substrate	GP	GP	CO	SA	GP			SA	SA	SA
Substrate shape	SA	SA	CU		CU					
Flow type	SU	RU	RU	SU	G					
Channel modification(s)	NO									
Channel feature(s)										
Material	CB				SA					
Bank modification(s)	NO									
Bank feature(s)	NO									

LAND USE AND VEGETATION

Land use: choose one from IR, CP, OR, UR, FC, TR, CF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU								
LEFT BANK-TOP (structure widths 1 m) WIDTH	L	S		S						
LEFT BANK FACE (structure) WIDTH	L	U		S						
RIGHT BANK FACE (structure) WIDTH	R	U		S		S				
RIGHT BANK-TOP (structure widths 1 m) WIDTH	R	S	S	U						
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU						

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	F	F								

NO. 6770 | 1996 RIVER QUALITY SURVEY

SOURCE/CONFLUENCE ZONE

	L	R		L	R
Braided/linked wetland (BL)	✓	✓	Rough pasture (RP)		
Improved grassland (IG)			Improved/semi-improved grass (IG)		
Arable (OR)			Tilled land (TL)	E	E
Orchard/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb* and vegetation (TH)	✓	✓	Suburban/urban development (SU)	E	E

BANK AND SIDE CHARACTERISTICS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
< 1m			Reinforced - whole bank	✓	✓
> 45°	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

CHANNEL AND BANKSIDE FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/occasional	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Long continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater(s)	☐	☐	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☐	☐
Unvegetated mid channel bar(s)	☐	☐	☐
Vegetated mid channel bar(s)	☐	☐	☐
Marker island(s)	☐	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features): Glide (G) Riffle (R)

1996 RIVER QUALITY SURVEY: DIMENSIONS AND INVERTEBRATES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	0.55	Bankop width (m)	1.8	
Embanked height (m)		Water width (m)	1.0	Bankop height (m) 0.55
		Water depth (m)	0	Embanked height (m)

If trapezium between bankop bench in shape, bedrock height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) Clunbones ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box)

MAN-MADE FEATURES

None ☐ Number of Culverts = Fords = Weirs = Outfalls = Other =
Footbridges = Roadbridges = 1
Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

CHANNEL OPERATIONS

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

BANKSIDE LAND USE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (note) .....
Bridges/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Specify Rhododendron bushes

OTHER INFORMATION

Major impacts: bankfill - dipping - litter - sewerage - pollution / drought - obstruction - infill - dam - weed - reed - sedimentary - burning - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - herons - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (attribute codes for plant genera and species) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6771

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 26/6/1996 Time: 15.00 Surveyor name .... Accreditation code. ....

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☑ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	-
Pools	-	Vegetated point bars	-

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use ///) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, within a 1m wide transect)* 1 = one entry only

Spot check 1 m upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (semi-) natural fence										
Material *BA,BE,BO,CO,CS,EA,FC,FD,CC,SP,WF,G,AM,BR,RW*	BA	BA	CC	CC	CC	CC	CC	EA	EA	BA
Bank modification(s) *NE,NO,RS,RI,FC,BM,DA*	NO	NO	RI	RI	RI	RI	RI	NO	NO	RI
Bank feature(s) *BW,NO,EC,SC,PB,WF,BB,WS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *TICK if (semi-) natural fence*										
Channel substrate * *BY,BE,BO,CO,GP,SA,SI,CL,PC,AR*	GC	GC	AC	MC	MC	AR	MA	GR	SP	GC
Substrate shape *FL,CW,EL,TP,CU,FO,IR, Others - note*	NO						NO	NC	OT	NC
Flow type * *BW,CR,RW,UW,CF,RP,UP,SM,BF,NO*	SM	SM	SM			SM	SM	SM		CI
Channel modification(s) *NE,NO,CV,RS,RI,DA,PO*			CV			RI				
Channel feature(s) *BY,NO,RO,MB,VB,MG,TR*			R							
RIGHT BANK *TICK if (semi-) natural fence*										
Material *BA,BE,BO,CO,GS,EA,FC,FD,CC,SP,WF,G,AM,BR,RW*										
Bank modification(s) *NE,NO,RS,RI,FC,BM,DA*			RI							
Bank feature(s) *BW,NO,EC,SC,PB,WF,BB,WS*			NO							

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, SHR, RC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG				IG			
LEFT BANK-TOP *(structure within 1m)* BA/SC		C	W		W	W	W			
LEFT BANK FACE *(structure)* BA/SC	S	S	C	C	W	C	C	C		
RIGHT BANK FACE *(structure)* BA/SC	S	S	C	C		C	C	C		
RIGHT BANK-TOP *(structure within 1m)* BA/SC	S	C	W			W	C	C		
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG						

G CHANNEL VEGETATION CLASS *(Percentage cover of each plant type within the channel)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichen										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓				✓	F		✓	✓

SITE NO. 6771 1996 RIVER HABITAT SURVEY: SCORES FOR PHYSICAL ATTRIBUTES Page 3 of 4

H SURROUNDING LAND USE *(within 50m of top of bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland *(eg bog, marsh, fen) (WL)*		✓
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation *(TH)*			Suburban/urban development *(SU)*		

I CHANNEL CHARACTER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J CHANNEL AND BANKSIDE VEGETATION

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☑	☑	Vegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Cv Gl ?

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	2.5	RIGHT BANK
Banktop height (m)	0.70	Water width (m)	2.25	Banktop height (m) 0.70
Embanked height (m)		Water depth (m)	0.08	*Embanked height (m)*

If semi-flat lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ANCILLARY FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RECENT ENGINEERING ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O EVIDENCE OF FLOW ENHANCEMENT

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☐ Leafy debris ☐
Artificial open water ☑ Natural open water ☐ Water meadow ☐ Fen ☐
Bog ☐ Carr ☐ Marsh ☐ Flush ☐ Other (state) .....

P RECTIFIED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q PROTECTION AND PLANT SCARRING

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (state) Rhododendron bushes

R EVIDENCE OF MANAGEMENT

Major impacts: bank/fill - dipping - flats - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick one box)*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY — BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

RIVER HABITAT SURVEY — SITE DETAILS

Reference network site number: 6772

Mid-site grid reference if different from designated location:

Grid Reference: SP 217791 River: BLYTHE

Date 6.7.1996 Time 09:05 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box for each)

☒	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add 'U')*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS, SANDY POINT BARS & VEGETATED POINT BARS

Riffles 3 Unvegetated point bars

Pools 1 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY — SITE CHECKS

TALLY (use DD) for - Riffles | Pools | Unveg. point bars | Veg. point bars

A. PHYSICAL ATTRIBUTES

Site check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	PC	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	NO	NO	NO	NO	NO	VS
CHANNEL										
Channel substrate	SP	SP	SA	SP	SP	SP	SP	SP	SP	SP
Substrate shape	NN	NN	NA	RO	OV	OV	RO	RO	OV	OV
Flow type	SM	SM	SM	SM	SM	LW	SM	SM	RD	NP
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NC	NO	NO
RIGHT BANK (looking downstream)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	SB	SC	VS	NO	VS	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, HTR, IC, IN, OP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	TH	TL	BL	BL	BL	BL	SC
LEFT BANK-TOP *(structure within 1m)*	U	U	U	S	U	C	S	S	S	S
LEFT BANK FACE *(structure)*	S	U	S	C	C	S	S	S	S	C
RIGHT BANK FACE *(structure)*	S	S	S	S	S	C	S	C	S	C
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	S	U	U	U	U	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	BL	BL

C. KNOWN PLANT MONITORS

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓	✓		✓				✓
Emerg broad-leaved herbs		✓	✓	✓	✓				✓	✓
Emerg reeds/sedges/rushes	✓	✓		✓	✓			✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious					✓		✓	✓	✓	✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	✓	✓	✓	✓	E	✓	✓	E

RIVER HABITAT SURVEY — SITE SKETCH

NO 6772

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)	✓	
Herb/tall weed vegetation (TH)	✓	—	Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	✓	E	Resectioned		
Gentle (< 45°)			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Cliff			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5 S)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	✓	☐	☐
Undercover tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

	None	Present	E (≥ 1/5 S)		None	Present	E (≥ 1/5 S)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock (CLAY)	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	☐	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (select up to three features):

RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	0.8	Bankop width (m)	9.6	Bankop height (m) 1.1
Embanked height (m)	/	Water width (m)	7.2	Embanked height (m) /
		Water depth (m)	0.11	

If trashline lower than bankop break in depth, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. CHANNEL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Pipebridges Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <1/3 S of site ☐ >1/3 S of site ☐

C. MANAGEMENT ACTIVITY

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

D. SPECIAL FEATURES

None ☐ Bottom end of shingle reach
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

E. CHANNEL MANAGEMENT

Is 1/3 S or more of the channel choked with vegetation? NO ☒ YES ☐

F. INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other (specify)

G. VISUAL ASSESSMENT

Major impacts: bankfill - dipping - flats - sewage - pollution - drought - abstraction - mill - dam - weir - culvert - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tipping - other? -

Land Management: arable - horticulture - bankland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink sign - heron - dragonflies/damselflies

Other significant observations: GP sinuous channel - possibly RS in past but not obvious now.

H. OVERHANGING VEGETATION

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6774

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 4077256 River: AVON

Date 25.9.1996 Time: 15:00 Surveyor name(s): CRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ● Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ● (75%) entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ● *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ● Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ● channel ● *(tick as appropriate)*

CHANNEL AND VALLEY FORM

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ○ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ● Yes ○ | IFE - VALLEY FORM NOTES:

CHANNEL FEATURES AND SURVEY DETAILS

Riffles 2 Unvegetated point bars
Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY DIMENSIONS AND DESCRIPTORS

FULLY (use 10) for - Riffles | Pools | Using side bars | Veg point bars

HYDROMORPHOLOGICAL ATTRIBUTES

Spot check 1 = upstream ● downstream ○	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material*	EA	EA	EA	EA	CC	EA	EA	EA	EA	EA
Bank modifications(+)	NO	RS	RS	RS	RI	EA	NO	NO	NO	NO
Bank features(+)	NO	NO	NO	NO	NO	VS	NO	VS	NO	NO
CHANNEL										
Channel substrate*	SI	CL	SI	CL	GP	GP	GP	GP	CL	GP
Substrate shape	NA	NA	NA	NA	OV	OV	OV	OV	NA	OV
Flow type*	UP	SM	NP	SM	SM	RP	SM	UW	SM	UW
Channel modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+)	NO	NO	NO	NO	NO	NO	NO	IS	TR	NO
RIGHT BANK										
Material*	EA	EA	EA	ES	CC	ES	EA	EA	EA	EA
Bank modifications(+)	RS	RS	RS	RS	RI	RS	RS	RS	RS	RS
Bank features(+)	NO	NO	NO	NO	NO	VS	NO	NO	NO	NO

VEGETATION AND LAND USE

Land use: choose one from: IE, CP, OR, UH, SC, IW, AF, HO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	HO	IE	IG	IG	IE	RL	SL	RL	RL
LEFT BANK-TOP (structure within 1m)	U	S	U	U	U	U	-	C	U	C
LEFT BANK FACE (structure)	S	S	U	U	S	S	-	-	C	C
RIGHT BANK FACE (structure)	S	U	S	S	S	U	U	S	U	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓		✓		✓				✓
Emerg reed/sedge/rushes	✓	✓	✓	E	✓	E	✓		✓	✓
Floating-leaved (rooted)	✓	✓	✓						✓	
Free-floating		✓	✓							
Amphibious					✓			✓		
Submerged broad-leaved	E	E	✓	✓						
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	E	✓	E	✓	✓	E	✓	✓

SITE NO. 6774

CHANNEL SUBSTRATE

	L	R		L	R
Bedrock (BE)			Boulder/cobble (BO)		
Concrete (CO)			Gravel/pebble (GP)		
Artificial (AR)			Sand (SA)		
Organic (OR)			Silt/clay (SI)	E	E
Vegetation (VE)			Peat (PE)		

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Sloop (>45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	✓	✓
			Pitched	E	✓
			Enhanced		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	●	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	● (Top ½)
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	○	●
Overhanging boughs	○	○	●
Exposed bankside roots	●	○	○
Underwater tree roots	○	●	○
Fallen trees	●	○	○
Coarse woody debris	●	○	○

	None	Present	E (≥ 33%)
Waterfall(s)	●	○	○
Cascade(s)	●	○	○
Rapid(s)	●	○	○
Riffle(s)	○	●	○
Run(s)	○	●	○
Bank(s)	●	○	○
Oxbow(s)	○	○	●
Pool(s)	○	●	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	○	○
Exposed bedrock (CLAY)	○	○	○
Exposed boulders	●	○	○
Unvegetated mid-channel bar(s)	●	○	○
Vegetated mid-channel bar(s)	○	○	○
Medium islands(s)	●	○	○
Unvegetated side bar(s)	○	●	○
Vegetated side bar(s)	○	●	○

Indicate predominant flow sequence (*select up to three features*): GLIDE (→ RF - POOL)

CHANNEL DIMENSIONS AND DESCRIPTORS

LEFT BANK		Bankfull width (m)	13.7	RIGHT BANK	
Bankfull height (m)	2.1	Water width (m)	8.7	Bankfull height (m)	2.1
Embanked height (m)	/	Water depth (m)	0.07	Embanked height (m)	/

If trashline lower than bankfull bench in slope, indicate: height (m) = 1.25 width (m) = 11.0

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ● unknown ○

Location of measurement is: riffle ● run or glide ○ other ○ *(tick one box)*

MAN-MADE FEATURES

None ○ Number of: Culverts = / Fords = / Weirs = / Outfalls = / Footbridges = 1 / Bridges = / Other =

Is water impounded by weir/dam? No Yes, <33% of site ○ >33% of site ○

CHANNEL MANAGEMENT

None ● Dredging ○ Mowing ○ Weed cutting ○ Enhancement ○ Other ? State .....

ADJACENT LAND USE

None ●
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state) .....
Braided/wide channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

CHANNEL FLOW STATUS

Is 33% or more of the channel choked with vegetation? NO ● YES ○

INVASIVE PLANTS

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other (Nerde Rhododendron bracteatum)

IMPACTS AND MANAGEMENT

Major impacts: bankfill - dipping - fence - outrage - pollution - drought - obstruction - mill - dam - weed - soil disfigury - bunding - relining - quarrying - overdeepening - afforestation - fisheries management - other? = RS

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: fish Chub, Roach, Pike
bird - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies - damselflies

Other significant observations: Good channel morphology. -Crayfish present
SL woodland LHB (Both ⅓) -Ducks obs.
-Swans obs.

SURVEY COMMENTS

Action? None ● Present ○ Extensive ○ Downstream Action? None ● Present ○ Extensive ○

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source(m) | Water Quality Class

FIELD SURVEY DATA

Reference network site number: 6775

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 519720 River: RAINS BROOK.

Date 25/6/1996 Time: 12:50 Surveyor name(s): GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☒ (tick as appropriate)

CHANNEL AND VALLEY FORM (optional)

☑ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add 'U')
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐

IFE - VALLEY FORM NOTES:

SURVEY DETAILS AND CONDITIONS

Riffles 9 Unvegetated point bars
Pools Vegetated point bars

! COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

FAULY (see 2nd) for - Riffles Pools Unveg. side bars Veg point bars

HABITAT ATTRIBUTES

Spot class (1-10 = upstream ☐ downstream ☐)	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (see list)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(+)	NO	NO	NO	NO	VS	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate (see list)	GP	SI	SI	SI	FP	SI	SI	SA	SI	SI
Substrate shape	OV	NA	NA	NA	OV	NA	NA	NA	NA	NA
Flow type (see list)	UN	SM	SM	ND	UW	NP	SM	SM	NP	SM
Channel modifications(+)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features(+)	ND	NO	ND	ND	TR	ND	NO	NO	VS	VS
RIGHT BANK										
Material (see list)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+)	RS	RS	RS	RS	NO	RS	RS	RS	RS	RS
Bank features(+)	NO	NO	NO	NO	VS	NO	NO	NO	NO	VS

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from AL, CP, OR, ORI, RC, TR, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TU	TU	TU	TO	RL	IG	IG	RL	IG	IG
LEFT BANK-TOP (structure within 1m) score	S	S	U	S	C	U	U	S	U	S
LEFT BANK FACE (structure) score	C	C	S	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) score	S	S	S	S	S	C	C	C	S	S
RIGHT BANK-TOP (structure within 1m) score	U	U	U	U	U	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TU	TU	TU	TU	IG	IG	IG	TU	IG	IG

VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 6775

RIVER HABITAT SURVEY 20 (OVERLEAF) 1 of 2

CHANNEL DIMENSIONS

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	E
Scrub (SC)			Wetland (eg bog, marsh, fen) (WL)		
Tall herbs' - weed vegetation (TH)			Open water (OW)*		
			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
rif + ter			Reinforced - whole bank		
(> 45°)			Reinforced - top only		
Uneven			Reinforced - toe only		
Composite			Artificial eco-stage		
			Pooched		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☐	☑
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E (≥ 33%)
Waterfall(+)	☑	☐	☐
Cascades(+)	☑	☐	☐
Rapid(+)	☑	☐	☐
Riffle(+)	☐	☑	☐
Run(+)	☑	☐	☐
Pool(+)	☑	☐	☐
Glide(+)	☐	☐	☑
Pool(+)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☑
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(+)	☑	☐	☐
Vegetated mid-channel bar(+)	☑	☐	☐
Meanders initiated(+)	☑	☐	☐
Unvegetated side bar(+)	☐	☐	☑
Vegetated side bar(+)	☐	☐	☑

Indicate predominant flow sequence (select up to three features): GLIDE - RIFFLE - SLACK (NB)

RIVER QUALITY SURVEY - DIMENSIONS AND MEASUREMENTS

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Banktop height (m)	1.6	Banktop width (m) 4.75	Banktop height (m) 1.6
Embanked height (m)	/	Water width (m) 1.7	Embanked height (m) /
		Water depth (m) 0.07	

If trapezium lower than banktop break in slope, indicate: height (m) = 1.1 width(m) = 4.2

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box) N/A

FEATURES OF CHANNEL AND BANK

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT OF CHANNEL AND BANK

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF POOLS AND GLIDES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKING BY VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

POLLUTION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - rail industry? - boating - sailing - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly damselfly

Other significant observations: RS Ag ditch / stream.

ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number: 6776

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 624710 River: WHILTON NENE.

Date 25/6/1996 Time: 10.15 Surveyor name N. CREVE Accreditation code AS:2

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ IFE - VALLEY FORM NOTES:

Riffles 22 Unvegetated point bar
Pools | Vegetated point bar

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

	L	R		L	R
Broadleaved/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)	E	E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)	—	
Tall herbs* reed vegetation (TH)	✓		Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		✓	Revetment	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)		✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☐	☐	☒
Run(s)	☒	☐	☐
Bank(s)	☒	☐	☐
Glide(s)	☐	☐	☒
Pool(s)	☐	☒	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid channel bar(s)	☒	☐	☐
Vegetated mid channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - GLIDE

	1	2	3	4	5	6	7	8	9	10
Spot check 1 = upstream ☐ downstream ☐										
Material*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	RS	RS	RS
Bank feature(s)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate*	SP	FP	SI	SP	SP	SI	SI	SP	SP	SI
Substrate shape	OV	OV	NA	OV	PO	NA	NA	PO	OV	NA
Flow type*	UN	UW	SM	UN	SM	SM	SM	UW	UM	SM
Channel modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material for RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	SS	NO	NO	NO

Land use: choose one from AL, CP, OR, MH, SC, TH, SP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RL	IG	IG	TL	TL	TL	TL	TH	TH	TH
LEFT BANK-TOP (structure within 1m) MMMC	C	U	U	U	U	S	U	U	U	S
LEFT BANK FACE (structure) MMMC	C	C	C	C	C	C	C	S	S	S
RIGHT BANK FACE (structure) MMMC	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m) MMMC	C	S	S	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RL	IG	IG	IG	IG	IG	IG	IG	IG	IG

NONE / PLANT GENERA - list 6 or 5			✓	✓			✓			
Bryophytes/lichens	✓									✓
Emerg broad-leaved herbs		E			✓	E		✓	✓	✓
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

Cr : ?

Name ☐ Number of Footbridges = Culverts = Weirs = Fordbridges = 1 Overfalls = 2 Fords = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

Name ☐ Overjump ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

Name ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Plants ☐

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Name ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Name) Rhododendron bushes

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - weed - rod - industry - housing - mining - quarrying (navigation) afforestation - fisheries management - mining - other? -
Land Management: set-aside (buffer strip) headland - abandoned land - parkland - MaD - other? -
Animals: mink - musk - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies (damselflies)
Other significant observations: RS Ag Ditch - Hedge along E+B.

Adders? None ☒ Present ☐ Extensive ☐ Diseased Adders? None ☒ Present ☐ Extensive ☐

BACKGROUND & LOCATION INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DATA

Reference network site number: 6782

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Avonbuen River.

Date 2-1-71996 Time: 15 15 Surveyor name: NH Accreditation code: 2544

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

LFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

VALLEY FORM & GRADIENT

☐ shallow vee
☐ deep vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | LFE - VALLEY FORM NOTES:

RIVER CHANNEL & FLOW

Riffles 0 Unvegetated point bars 0
Pools Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
RSON, LFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY

TALLY (use DD) for - Riffles Pools ||| 11 Unveg. side bars Veg point bars

DIVISION ATTRIBUTES

Spot check 1 = upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
BANK STRUCTURE										
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type	NF	SM	NF	SM	NF	NF	NF	NF	NF	NF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANK VEGETATION										
Material	NV	GR	NV	NV	NV	GR	NV	G	NG	NG
Bank modification(s)	NK	NO	NK	NK	NK	NO	NK	NO	NO	NO
Bank feature(s)	NV	NO	NV	NV	NV	NO	NV	NO	NO	NO
LAND USE										
Land use: choose one from: ar, CP, OR, HOL, IC, TR, RP, IG, IL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m)	NONE	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	NONE	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	NONE	U	U	U	S	U	S	S	S	S	U
RIGHT BANK-TOP (structure within 1m)	NONE	S	S	U	S	S	S	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
PLANT SPECIES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (mosses)	✓									
Emerg reeds/sedges/rushes (Carex, Sparganium)	✓	✓	✓	✓	✓	✓	✓			✓	✓
Floating-leaved (moss)										
Free-floating (Lemna)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Amphibious										
Submerged broad-leaved										
Submerg fine/fissec-leaved										
Filamentous algae (Cladophora)							✓			

SITE NO. 6782

RIVER HABITAT SURVEY

CHANNEL SURVEY

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Uptown plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
ard (OR)			Tilled land (TL)		
...mixed/earth (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
...herbs" rank vegetation (TH)	✓		Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut		✓	Resectioned	✓	
...nd + toe			Reinforced - whole bank		
(>45°)		✓	Reinforced - top only		
Unstable			Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked	✓	
			Set back embankments		

FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercut bank roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): G - R - Pool

CHANNEL DIMENSIONS AND DISCHARGE

LEFT BANK				RIGHT BANK
Bankop height (m)	1.0	Bankop width (m)	7.2	Bankop height (m) 1.2
Embanked height (m)	/	Water width (m)	5.8	Embanked height (m) 2.8
		Water depth (m)	0.8	

If trapezium lower than bankop bread in steps, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (complete) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☐ other ☑ (tick one box) Pool

CHANNEL FEATURES

Bank ☐ Number of: Culverts = 0 Weirs = 0 Outfalls = 0 Pools = 0
Footbridges = 0 Roadbridges = 0 Other = Kerb, Sand (NAT)
Is water impounded by weir(dam) No ☑ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

GROUND COVER

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridges/weir channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

HUMAN INFLUENCES

Major impacts: Bankfill - dipping - flow deflection - dumping - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - recreation - fisheries management - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - Aragonite/damselflies

Other significant observations: Sand, ... on LB, G Stone / Cobble ... Gravel, ... Sand ... To ...

ALDER

Alder? None ☐ Present ☑ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6785

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Somla Loor

Date: 1.7.1996 Time: 10.00 Surveyor name: NNIIIIIIIIN Accreditation code: IFE4

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY (CROSS-SECTION) SHAPE

☐ shallow vee
☐ deep vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES AND POOLS (Within 500m)

Riffles	1	Unvegetated point bars	0
Pools	3	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: DIMENSIONS AND OBSTRUCTIONS

TALLY (use 1/5) for - Riffles | Pools: 1 | 1 | Using side bars | Via point bars

PHYSICAL ATTRIBUTES

Spot check 1 in sequence ☐ systematic ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TOP										
Material	GP	G	SA	SA	SL	SA	SA	SA	NV	SA
Bank modifications(+)	FS	NO	NO	A	A1	NO	A1	A1	NK	NO
Bank features(+)	NO	NO	FS	NO	NO	NO	NO	NO	NV	NO
CHANNEL										
Channel substrates	GP	S1	S1	S1	BR	NV	NV	GP	NV	S1
Substrate shape	FL	NA	NA	NA	CV	NA	NA	NV	NA	NA
Flow type	RR	SM	SM	SM	CM	SM	SM	SM	SM	SM
Channel modifications(+)	NO	NO	NO	NO	SM	NO	NO	NO	NO	NO
Channel features(+)	NO	TR	TR	TR	TL	TR	NO	NO	NO	NO
RIGHT BANK - TOP										
Material	GP	S1	SP	SC	U1	CC	C1	U1	BR	S1
Bank modifications(+)	A1	NK	A1	A1	A1	A1	A1	A1	A1	A1
Bank features(+)	NO	NV	NO	NO	NO	NO	NO	NO	NO	NO

VEGETATION AND LAND USE ALONG SURVEY REACH

Land use: choose one from AL, CP, OR, IOL, IC, TH, RF, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	SH	N	H	IC	SH	IC	U	IL
LEFT BANK-TOP (structure within 1m) BANK	S	S	H	-	H	-	1	1	H	1
LEFT BANK FACE (structure) BANK	H	H	S	-	B	H	C	C	1	S
RIGHT BANK FACE (structure) BANK	H	H	1	S	S	S	C	1	H	1
RIGHT BANK-TOP (structure within 1m) BANK	H	H	B	B	S	B	1	S	B	1
LAND USE WITHIN 5m OF BANK TOP (R)	SH	SH	SH	SH	SH	SH	H	SH	SH	SH

VEGETATION SURVEY

NONE / PLANT CENSUS - list first 5							✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs		✓								
Emerg rush/sedge/reedmace	✓	✓	✓	✓	✓	✓				✓
Floating-leaved (rooted)					✓	✓				
Free-floating										
Amphibious										
Submerged broad-leaved						✓				
Submerg fine/linear-leaved										
Filamentous algae	E				✓	✓				

SITE NO. 6785

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.0	Bankop width (m)	8.3	Bankop height (m)	0.9
Embanked height (m)	/	Water width (m)	4.5	Embanked height (m)	/
		Water depth (m)	0.1		

If trapezium lower than bankop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 0 Fords = 0
Footbridges = Roadbridges = 3 Other = 0
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

WATER COURSE MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State: .....

PLANTS AND ANIMALS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

FLOOD DEFENCES

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

ADJACENT LAND USE

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

RIVER CHARACTERISTICS

Major impacts: impact - dipping (very) average - pollution - drought - obstruction (self) dam - weed (no) machinery
bridges - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - bunkered - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: .....

FISHES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/occasional	☑	☑
Regularly spaced, single	☐	☐
Occasional shoals	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Choice woody debris	☑	☐	☐

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☐
Bend(s)	☐	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Multiple islands(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): fm fm

ARTIFICIAL FEATURES

Arches? None ☑ Present ☐ Extensive ☐ Downstream Arches? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP & SITE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 4786

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: La Rue

Date .../.../1996 Time: 12 30 Surveyor name: N Nicolson Accreditation code: PFGA

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ✓ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ✓ *(tick as appropriate)*

CHANNEL & VALLEY FORM

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ✓ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

NUMBERS OF MESOHABITAT UNITS

Riffles	1	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use DEF) for - Riffles | Pools | Unveg. side bars | Veg point bars

HABITAT ATTRIBUTES

Spot check 1 m: upstream ○ downstream ✓

	1	2	3	4	5	6	7	8	9	10
RIFFLE HABITAT										
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
POOL HABITAT										
Channel substrate	GA	SA	SA	GA	SA	SA	SA	SA	SA	SA
Substrate shape	FA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIPARIAN HABITAT										
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE & LAND USE WITHIN RIPARIAN STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	U	S	U	U
RIGHT BANK FACE	S	S	S	S	S	S	S	U	U	U
RIGHT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
MACROPHYTE & ALGAL ESTIMATES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓								
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓		✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)						✓				
Free-floating										
Amphibious										
Submerged broad-leaved									✓	
Submerg fine/linear-leaved			✓	✓	✓	✓	✓			✓
Filamentous algae								✓	✓	

SITE NO. 4786

CHANNEL & BANK PHYSICAL FEATURES

	L	R
Broadleaf/mixed woodland (BL)		
Coniferous plantation (CP)		
Shrub (SC)		
Herbs* rank vegetation (TH)		
Rough pasture (RP)		
Improved/semi-improved grass (IG)		
Tilled land (TL)	L	E
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SD)		

Natural/unmodified	L	R
Vertical/undercut		
cut + fan		
(>45°)	✓	✓
Unstable		
Composite		

Artificial/modified	L	R
Reinforced	L	L
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Set back embankment		

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	✓
Regularly spaced, single	○	○
Occasional clumps	✓	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	None	Present	E
Waterfall(s)	✓	○	○
Cascades(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	○	✓	○
Run(s)	○	✓	○
Pool(s)	✓	○	○
Glide(s)	○	○	✓
Pool(s)	✓	○	○

	None	Present	E (≥ 33%)
Marginal deadwater	✓	○	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): 6 a

CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	6.5	RIGHT BANK	
Bankfull height (m)	1.6	Water width (m)	3.0	Bankfull height (m)	1.5
Embanked height (m)	/	Water depth (m)	0.25	Embanked height (m)	/

If trashline lower than bankfull break in slope, indicate: height (m) = 1.0 width(m) = 4.0

Bed material at site is: unconsolidated (complex) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ *(tick one box)*

CHANNEL MODIFICATIONS

None ✓ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs/dam? No ○ Yes, <33% of site ○ >33% of site ○

ENGINEERING WORKS

None ○ Dredging ○ Moving ○ Weed-cutting ✓
Enhancement ○ Other ? State .....

HUMAN INFLUENCES

None ✓
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Bridges/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

OVERHANGING VEGETATION

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mostly Rhododendron bushes

OTHER OBSERVATIONS

Major impacts: bankfill - dipping - litter - mowing - pollution - drought - obstruction - mill / dam - canal - mill tailraces - bunding - ditching - quarrying - overdeepening - afforestation - fisheries management (fishing) other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

FISH & OTHER ANIMALS

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY: WINTER models for plant species and genera at 226 sites

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6787

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 782 713 River: LARK

Date: 9.7./1996 Time: 12:40 Surveyor name: P. Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state: .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box each)

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl (If U-shaped glacial valley - add "U")
- ✓ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ○ Yes ○ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOL STANDS AND BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

Valley form for Riffles Pools Unveg point bars Veg point bars

PHYSICAL ATTRIBUTES

Spot checks at upstream ○ downstream ✓

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+)	EM	EM	EM	NO	S	S	S	S	EM	EM
Bank features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	NP	SM
Channel modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+)	EM	EM	EM	S	S	S	S	S	EM	EM
Bank features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

PLANTS OF LAND AND WATER VEGETATION STRUCTURE

Land use: choose one from: BL, CP, OR, MH, SC, TN, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	S	U	U	S
LEFT BANK FACE (structure)	U	U	S	S	U	S	U	S	B	S
RIGHT BANK FACE (structure)	S	S	U	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m)	U	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

PLANTS IN WATER AND ON BANKS

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	/		/	/	/	/		
Emerg reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	/									
Free-floating										
Amphibious										
Submerged broad-leaved	/									
Submerg fine/linear-leaved	/	/	E	/	E	E	E	E	/	/
Filamentous algae	/	/		/					/	/

SITE NO. 6787 1996 RIVER HABITAT SURVEY: SURROUNDINGS AND LAND USE

LAND USE WITHIN 50m OF BANK TOP

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

BANK CONSTRUCTION AND MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recontoured	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	/
			Embanked	E	E
			Set back embankments		

SURROUNDING AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	✓	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	✓	○	○
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

WATER COURSE AND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(+)	✓	○	○	Marginal deadwater	○	✓	○
Cascades(+)	✓	○	○	Exposed bedrock	✓	○	○
Rapids(+)	✓	○	○	Exposed boulders	✓	○	○
Riffle(+)	✓	○	○	Unvegetated mid-channel bar(+)	✓	○	○
Run(+)	✓	○	○	Vegetated mid-channel bar(+)	✓	1	○
Bed(+)	✓	○	○	Nature island(+)	✓	○	○
Glide(+)	○	○	✓	Unvegetated side bar(+)	✓	○	○
Pool(+)	✓	○	○	Vegetated side bar(+)	✓	○	○

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND LINEAR FEATURES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.25	Bankop width (m)	14.0	Bankop height (m)	1.25
Embanked height (m)	0.50	Water width (m)	10.5	Embanked height (m)	0.50
		Water depth (m)	0.25		

If trashline lower than bankop level in slope, indicate: height (m) = ... width (m) =

Bed material at site is: unconsolidated (compact) ○ unconsolidated (loose) ✓ bedrock ○

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

CONSTRUCTIONS

Name: ✓ Number of: Culverts = Fords = Weirs = Outfalls = Footbridges = Bridges = Other =

Is water impounded by weirs/dams? No ✓ Yes, <33% of site ○ >33% of site ○

MANAGEMENT OF RIPARIAN ZONE

Name: ✓ Dredging ○ Mowing ○ Weed cutting ○ Enhancement ○ Other ? State: .....

FEATURES OF SPECIAL INTEREST

Name: ✓			
Waterfalls > 5m high ○	Artificial open water ○	Bug ...	Other (state) ...
Braided/side channels ○	Natural open water ○	Coot ...	
Debris dams ○	Water meadow ○	Marsh ○	
Leafy debris ○	Fen ○	Plants ○	

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

INVASIVE PLANTS

Name: ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Rustic Rhododendron bracteatum

OVERALL ENVIRONMENTAL QUALITY

Major impacts: location - dumping - litter - sewage - pollution - drought - abstraction - flood - dam - weed - rod - mowing - trampling - overgrazing - afforestation - industrial management - silting - other? -

Land Management: cut verge - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: deer - mink - water vole - longhaired - dipper - grey wagtail - mud martin - heron - kingfisher/damselfly

Other significant observations: Good crayfish in channel. Slow flowing, very silty. Recent mowing of bank. Large cattle drinks on left. Lambs.

ALIEN PLANTS

Alien? Name ○ Present ✓ Extensive ○ Dominant Alien? Name ✓ Present ○ Extensive ○

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6788

Mid-site grid reference if different from designated location:

Grid Reference: TL871795 River: LITTLE OUSE

Date: 8/7/1996 Time: 14:20 Surveyor name: P. Eddett Accreditation code: PF35

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state ....

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ✓ channel ✓ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ deep vee
- ✓ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 4	Unvegetated point bars
Pools	Vegetated point bars

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
J. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TRANSECTS Page 2 of 4

FAULTY (use DET) for Riffles 1/1 Pools Uneven side bars Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across Channel — within 5 m wide channel only)

Spot check 1 at upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material [we,BE,BO,CO,CG,SA,PE,CL,CC,SI,wr,GA,MA,BR,BW]	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) [ME,MO,RS,RI,PC,BM,EM]	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s) [wr,BO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	BC	NO	NO	NO
CHANNEL										
Channel substrate [wr,BE,BO,CO,CF,SA,SI,CL,PE,AR]	SP	SP	SI	SP	SP	RP	SA	SI	SA	SP
Substrate shape [FL,DW,EL,SP,CU,FO,SE,Others - note]	IR	IR	NA	IR	IR	IR	NA	MA	NA	IR
Flow type [FT,CH,BW,UW,CF,SP,UP,BM,MP,NO]	SM	SM	SM	SM	SM	RP	SM	SM	SM	SM
Channel modification(s) [ME,MO,CV,RS,RI,DA,FO]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) [wr,MO,BO,MB,VB,MI,FI]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material [we,BE,BO,CO,CG,SA,PE,CL,CC,SI,wr,GA,MA,BR,BW]	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) [ME,MO,RS,RI,PC,BM,EM]	NO	NO	NO	NO	RS	RS	RS	RS	RS	RS
Bank feature(s) [wr,MO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (for the adjacent bank at flow width (metres))

Land use: choose one from: BE, CP, OR, MW, BC, IW, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	TH	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BA/SC	S	U	S	U	S	U	U	U	S	U
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	S	S	S	U	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/SC	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

CHANNEL VEGETATION (Plants within 1m of water's edge)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg reeds/sedges/rushes	/	/	/	/						
Floating-leaved (rooted)										
Free-floating	/	/	/			/	/		/	
Amphibious				/	/					
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

E SITE NO. 6788 — RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

CONDITIONS WITHIN 50m OF BANKTOP (tick all that apply)

	L	R		L	R
Mixed/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

BANK CONDITIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Gradual < 45°			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite		✓	Artificial two-stage		
			Poached		
			Eroded/undercut	E	
			Set back embankments		

TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓R	☐	☐

WATER FEATURES AND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

(a) The predominant flow sequence (select up to three features): Riffle / glide

F RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (measured at the most representative cross-section)

LEFT BANK		Bankfull width (m)	13	RIGHT BANK	
Bankfull height (m)	1.80	Water width (m)	9	Bankfull height (m)	1.50
Embanked height (m)		Water depth (m)	0.35	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ (tick one box)

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State ....

FEATURES OF ARCHAEOLOGICAL INTEREST

None ✓

Waterfalls > 5m high	☐	Artificial open water	☐
Braided/side channels	☐	Natural open water	☐
Debris dams	☐	Water meadow	☐
Leafy debris	☐	Fen	☐
Bog	☐	Other (state):	
Carr	☐		
Marsh	☐		
Flush	☐		

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

PLANT AND ANIMAL SPECIES OF INTEREST

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron brochure

OVERALL IMPRESSIONS

Major impacts: [landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - mining - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: 2/3 Kingfishers - numerous fish & litteral life. Silt/rocks a mix of sand/silt/gravel/pebble. Bank veteg by animals in places. Moth during flow but 2 pidgeys ill/b

RIPARIAN TREES

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) sheet for plant species and species list

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6789

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL927743 River: BLACK BOURNE

Date 8 / 7 /1996 Time: 15:55 Surveyor name P. Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ✓ entirely ○ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ○ channel ○ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

○ shallow vee
○ deep vee
○ gorge
○ concave/bowl (If U-shaped glacial valley - add "U")
✓ symmetrical floodplain
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Estimate to nearest 10m)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (RHS) SPOT CHECKS Page 2 of 4

Full survey (use grid) for ○ Riffle Pool: Using side bars Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 = upstream ○ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (CA, EA, CO, SI, SA, PE, CL, OC, ZZ, ** CL, AM, ZZ, **)	CA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+) (**, NO, ES, RI, FC, RM, DI)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(+) (**, NO, EC, PO, **, ZZ, YS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ' (**, BE, BO, ED, DF, SA, SI, CL, PE, AR)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (**, CH, CI, SP, CU, FO, BI, Others ----)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type ' (**, CH, RP, UW, EE, ED, SP, RP, NO)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modifications(+) (**, NO, CV, RS, RI, DA, LO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+) (**, NO, RO, WE, VS, MI, ES)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material ' (**, AR, CO, CO, EA, PE, CL, OC, ZZ, **, CL, AM, ZZ)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+) (**, NO, ES, RI, FC, RM, DI)	RS	R	NO	RS	NO	RS	RS	RS	RS	RS
Bank features(+) (**, NO, EC, PO, **, ZZ, YS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (Use codes; estimate %)

Land use: choose one from: AL, CP, OR, WH, SC, TH, RF, RC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	TH	RL	BL
LEFT BANK-TOP (structure within 1m) **	S	U	U	S	S	S	S	U	U	U
LEFT BANK FACE (structure) **	U	U	S	S	S	U	S	S	U	U
RIGHT BANK FACE (structure) **	S	U	S.	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) **	U	U	S	U	S	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	NP	RP	RP	RP

G PLANT SPECIES LIST (Use DAFOR)

NONE / PLANT GENERA - List first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/		/	/	/		/	/	
Emerg reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	
Floating leaved (rooted)	E	E	E	/	E	E	/	/	/	
Free-floating	E	/	E	/	E	E	/	E	E	E
Amphibious				/	E	E	/	E	E	E
Submerged broad leaved						/				
Submerg fine/narrow leaved										
Filamentous algae		/		/			2			

1996 RIVER HABITAT SURVEY (RHS) SPOT CHECKS Page 3 of 4

SITE NO 6789

H SUBSTRATE/FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* moss vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		/
			Set-back embankment(s)		

I SIDE CHANNELS AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
>3/Course woody debris	✓	○	○

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	○	✓
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	✓	○	○	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	✓	○	○	Vegetated mid-channel bar(s)	✓	○	○
Bank(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	✓	○	○	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): ALL NO PERCEPTIBLE

1996 RIVER HABITAT SURVEY DIMENSIONS AND DISTANCES Page 4 of 4

J CHANNEL DIMENSIONS (Estimate to nearest 0.5m)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	19.5	Banktop height (m)	1.20
Embanked height (m)		Water width (m)	3.5	Embanked height (m)	
		Water depth (m)	0.70		

If trapezium (lower than banktop break in slope, indicate) height (m) = width (m) =

Bed material at site is: consolidated (composite) ○ unconsolidated (loose) ✓ bedrock ○

Location of measurement is: riffle ○ run or glide ○ other ✓ (tick one box)

K CHANNEL FEATURES

None ✓ Number of Culverts = Footbridges = Weirs = Bridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

L CHANNEL MODIFICATIONS

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

M CHANNEL DEPOSITS

None ✓
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

N CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ○ YES ✓

O BANKSIDE VEGETATION

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nordic Rhododendron bracteatum

P CHANNEL MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (fishing) other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (dragonflies/damselflies)

Other significant observations: No perceptible flow throughout length. Many pools in channel, much leaves and litter. Very little throughput. numerous damselflies. Is reducing on R-B

Q CHANNEL ALTERATIONS

Algae? None ○ Present ✓ Extensive ○ Overhead Algae? None ○ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY: site mode for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6790

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 036775 River: BOTESDALE BROOK

Date: 6.5.1996 Time: 17:51 Surveyor name: P Frodett Accreditation code: PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . .

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ coomsve/bowl *(If U-shaped glacial valley - add 'U')*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick one box only)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
C H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SUN SPOT CHECKS Page 2 of 4

FALLY (sw, RP) for Riffles Pools Using side bars Veg plant bars

PHYSICAL ATTRIBUTES

Spot check no. (sequence) / downstream →	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	CA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	RS	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	G	SI	SI	SI	SI	SI	SA	SI	SA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RI	SM	SM	RI	SM	SM	SM	SM	SM	SM
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from AL, CP, OL, URB, RC, TM, SF, FG, FL, WL, OTH, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* SU/UC	U	S	S	U	S	U	S	S	U	U
LEFT BANK FACE *(structure)* SU/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* SU/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* SU/UC	S	S	S	S	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH		TA	TH	TH	TH

BANKTOP AND VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	E	E	✓	✓	E	E	✓	✓	✓	✓
Emerg reed/sedges/rushes		✓		✓	✓	✓	✓	✓	✓	E
Floating-leaved (rooted)										
Free-floating	✓	✓	✓	✓	✓	✓	✓	✓	E	✓
Amphibious										
Submerged broad-leaved										
Submerg flowf/narrow-leaved										
Filamentous algae	✓									

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

NO. 6790

	L	R		L	R
Undisturbed woodland (BL)			Rough pasture (RP)		
Open plantation (CP)			Improved/semi-improved grass (IG)		E
Arable (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Suburban (SU)			Open water (OW)		
Other: road, vegetation (TH)			Industrial/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Undercut			Resectioned	E	E
Vertical			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Other			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33 %)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	5		None	Present	5 (≥ 33 %)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence *(select up to three features)*: Glide / No Perceptible

1996 RIVER HABITAT SURVEY: DIMENSIONS AND JUNCTIONS Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.70	Bankfull width (m)	6.80	Banktop height (m)	1.60
Embanked height (m)		Water width (m)	1.80	Embanked height (m)	
		Water depth (m)	0.10		

If trapezium lower step banktop break in slope, indicate: height (m) = width (m)

Bed material at site is: consolidated (complete) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

NAVIGATION

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MAN-MADE FEATURES

None ☑ Dredging ☐ Mooring ☐ Weed cutting ☐
Embankment ☐ Other? State . . .

NATURAL FEATURES

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fluvio ☐

CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER FEATURES

Major impacts: bridge(SU) - dipping - fence - footings - pollution - dropsight - obstruction - mill - dam - road - rail - dustbanks - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? →

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? →

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations: R.B. bank at 3 steps ① T.L.U. shrubs ② equally I.S ③ T.L.U.S. 3/3 equally set oblique. Mink sig. in channel eg inc waterlily, leaves, chalk, algae. No flow. Pole, channel bar, [illegible]

WATER QUALITY

Algae: None ☑ Present ☐ Extensive ☐ Diatomed Algae? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with WOODS for plant species and flooding Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6791

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM141716 River: DOVE

Date 9/7/1996 Time 09:30 Surveyor name P. Foulkes Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . .

Bed of river visible? No ☐ partially ☑ entirely ☑ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C DOMINANT VALLEY FORM *(tick box per part)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☑	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND BOULDERS

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SITE SPOT CHECKS Page 2 of 4

Spot check no.	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RS	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SP	SP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND HABITAT STRUCTURE

Land use: choose one from: AL, CP, OR, WH, SC, IN, SF, IG, TL, HL, OW, SV

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	TH	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	U	U	S	U	U	U	S	U	
LEFT BANK FACE (structure)	S	S	S	S	S	S	U	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	U	S	S	S	U	U
RIGHT BANK-TOP (structure within 1m)	S	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

PLANT SPECIES

NONE / PLANT GENERA - list first 5										
Bryophyte/lichens										
Emerg broad-leaved herbs	/	/	/		/	/	/	/	/	
Emerg reeds/sedges/rushes	/	E		/		E	E	/	/	
Floating leaved (rooted)							/			
Free-floating	/			/	/	/	/	/	/	
Amphibious										
Submerged broad leaved	/								/	
Submerg fine/linear leaved										
Filamentous algae	/			/	/	/		/	/	

SITE NO. 6791 1996 RIVER HABITAT SURVEY Page 3 of 4

BANK AND ADJACENT LAND USE within 50m of BANKTOP

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SD)		

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified	L	R
Vertical/undercut			Resectioned	/	/
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

WATER COLUMN AND BANK FEATURES

	None	Present	5 (≥ 33%)		None	Present	5 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Chute(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Poach(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND OBSTRUCTIONS Page 4 of 4

CHANNEL DIMENSIONS

	LEFT BANK		RIGHT BANK
Banktop width (m)	9.0		
Banktop height (m)	1.0		0.90
Embanked height (m)		Water width (m) 4.70	
		Water depth (m) 0.80	

If trapezium lower than banktop break in slope, indicate: height(m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

CHANNEL AND BANK MANAGEMENT

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

CHANNEL OR BANKSIDE MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ! Specify . . .

OCCURRENCE OF ARTIFICIAL INSTREAM OBJECTS

None ☑
Weirs/falls > 1m high ☐ Artificial open water ☐ Bag ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Cart ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flash ☐

PROPOSED PLANNED WORKS

Is 33% or more of the channel blocked with vegetation? NO ☑ YES ☐

DOMINANT AND SUBDOMINANT BANKSIDE TREES

None ☐ Quercus Hazelwood ☐ Fraxinus Ash ☐ Acer Sycamore ☐ Other (Nettle) Rhododendron bushes

OTHER FEATURES

Major impacts: landfill - dredging - mines - sewage - pollution - drought - abstraction - mill - dam (giant) - rail industry - housing - inland quarrying - overdeepening - afforestation - fisheries management - siting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Large amount of nettles/cowbery on bankside. Part of bank reinforced (approx. 10m) - Culvert & road in channel. Bank [illegible] length (75cm)

ALDERS

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6792

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM202762 River: CHICKERING BROOK

Date 9/9/1996 Time 18:20 Surveyor name P. Scarlett Accreditation code PF 35

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ○ channel ✓ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

○ shallow vee
○ concave/bowl (If U-shaped glacial valley - add "U")
○ deep vee
✓ symmetrical floodplain
○ gorge
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (counted over 500m)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) SITE CHECKLIST 1 — Page 1 of 4

FALLY (use Diff. for - Riffles | Pools | Using side bars | Vee over bars

CHANNEL ATTRIBUTES

Spot checks (i.e. upstream / downstream ○)

	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	RS	RS	RS	NO	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SP	SA	SA
Substrate shape	NA	NA	NA	NA	NA	NA	SR	SR	NA	NA
Pool type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	RS	NO	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND LAND/RIVER INTERACTION FOR CHANNEL AND BANK TOP

Land use: choose one from AL, CP, OR, HR, IC, TH, RP, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	BL	TH	TH	TH	TH	TL	TL	TL
LEFT BANK-TOP (structure within 1m) MANUC	U	S	C	S	U	S	S	U	S	S
LEFT BANK FACE (structure) MANUC	S	S	C	U	S	U	S	S	S	S
RIGHT BANK FACE (structure) MANUC	S	S	S	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m) MANUC	S	S	B	S	S	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	TL	TL	TL	TL	TH	TL	TL	TL

CHANNEL VEGETATION TYPES

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg reed/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY (RHS) SITE CHECKLIST 2 — Page 2 of 4

SITE NO. 6792

CHANNEL DIMENSIONS AND FEATURES

	L	R		L	R
Unmanaged woodland (SL)			Rough pasture (RP)		
Amenity plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Urban (UC)			Open water (OW)		
Rough herbs/ rank vegetation (TH)	/	/	Suburban/urban/ dark/derelict (SU)	/	/

	L	R		L	R
Natural/unmodified			Artificial/modified		
Cliff/undercut			Resectioned	E	E
Slumped + toe			Reinforced - whole bank	/	/
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Stable			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi continuous	✓	✓
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	✓	○	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	✓	○	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	✓	○	○	Vegetated mid channel bar(s)	✓	○	○
Pool(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	✓	○	○	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

The predominant flow sequence (select up to three features): NO FLOW, DRY CHANNEL

RIVER HABITAT SURVEY (RHS) SITE CHECKLIST 3 — Page 3 of 4

CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	7.0	RIGHT BANK
Banktop height (m)	1.40	Water width (m) DRY	2.5	Banktop height (m) 1.46
Embanked bit(s) (m)		Water depth (m) CHANNEL ↑		Embanked height (m)

If trapezium lower than banktop break in steps, indicate: height (m) = channel WIDER max 3.0m+ width (m) =

Bed material at dip in: ○ Bedrock ○ Boulders ○ Cobbles ✓ Gravel ○ Sand ○ Silt/mud/clay (loam) ○ Peat/moss ○

Location of measurement in: ○ riffle ○ run or glide ○ other ✓ (tick one box)

ARTIFICIAL STRUCTURES

None ○ Number of: Culverts = Weirs = Outfalls = Pipes =
Footbridges = Fordbridges = 1 Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

CHANNEL MANAGEMENT (in last 5 years)

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Embankment ○ Other ? State .....

OBSTRUCTIONS

None ✓
Weir/falls > 5m high ○ Artificial open water ○ Bog ○ Other (state) .....
Bridge/ford/ culverts ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Pan ○ Flush ○

CHANNEL VEGETATION CONTROL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

BANKSIDE VEGETATION

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bracken

LAND USE

Major impacts: landfill - tipping - mines - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - urban - quarrying - overgrazing - afforestation - fisheries management - ploughing - other? -

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: deer - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - herons - dragonflies/damselflies

Other significant observations: Completely dry channel. Lot of fine Pebble with some Gravel/Pebble. Reasonably hard to debris due to vegetation and poor RS:g. Deserted house and roof house SU. Tree fallen across channel for last year or more.

TREES

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

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A BACKGROUND MAP/DATA INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SITE LOCATION DETAILS

Reference network site number: 6793

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM371751 River: Waldow

Date 5/7/1996 Time: 15:25 Surveyor name NNicholson Accreditation code: PF64

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C RIPARIAN/VALLEY FORM (100m scale)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D RIPARIAN/INSTREAM FEATURES AND LAND USE (100m scale)

Riffles 1 | Unvegetated point bars 0
Pools 0 | Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E RIVER HABITAT SURVEY DIMENSIONS AND DIMENSIONLESS RATIOS

FALLEY (use RH) for - Riffles 1 Pools Unveg. sub. bars Veg point bars

E1 CHANNEL DIMENSIONS

	LEFT BANK		RIGHT BANK
Bankop height (m)	0.8	Bankop width (m) 4.4	
Embanked height (m)	/	Water width (m) 3.7	Bankop height (m) 0.95
		Water depth (m) 0.45	Embanked height (m) /

If trashline lower than bankop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: unconsolidated (mappable) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

E2 CHANNEL MODIFICATIONS

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Other = 0
Is water impounded by weir(dam) No ☑ Yes, <33% of site ☐ >33% of site ☐

E3 CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

E4 ADJACENT LAND USE

None ☑
Waterfalls > 1m high ☐ Artificial open water ☐ Bog ☐ Other (state) ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Wet meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E5 CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

E6 BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nearly Rhododendron bordon

E7 LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - dynamite - obstruction - mill - dam - quad - golf - bombing - mining - quarrying - overdeepening - afforestation - fisheries management (none) other? -

Land Management: set aside - buffer strip - fenelland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - horse (dragonflies/damselflies)

Other significant observations: .....

E8 CHANNEL MODIFICATIONS

Aliens? None ☐ Present ☑ Extensive ☐ Dominant Aliens? None ☑ Present ☐ Extensive ☐

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓		Retaining wall		
Vertical + toe		E	Reinforced - whole bank		✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankment(s)		

E9 TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

E10 ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

E11 CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☑	☐	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Run

SITE NO. 6793

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1–10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number 6794

Mid-site grid reference of network site if different from designated location:

Grid Reference: Tm 411 768 River: BLYTH

Date: 11/9/1996 Time: 9:30 Surveyor name: P Scott Accreditation code: IF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IPE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IPE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	3	Unvegetated point bars	
Pools	3	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

Left (*use 'Diff' for Riffles*) Riffles 11 Pools 11 Unveg. side bars Veg (*point bar*)

E PHYSICAL ATTRIBUTES *(to be assessed across Channel within 5m wide transect)*

Spot check 1 at upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	
LEFT BANK FEATURES (*see codes below*)										
Material *(we,se,so,co,cs,sa,pe,cl,cc,si,vp,ca,sa,sv)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	E
Bank modification(s) *(ne,no,as,ss,pc,sm,en)*	NO	PE	NO	NO	NO	NO	NO	NO	NO	N
Bank feature(s) *(ny,no,ec,sc,pa,vp,ss,vs)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	N
CHANNEL										
Channel substrate * *(bl,se,so,co,cp,sa,si,cl,pe,ar)*	SI	SI	SP	SI	SP	P	SI	NU	SP	
Substrate shape *(fl, ov cl, sp cv po bl, Others - note)*	NA	NA	IR	NA	IR	IR	NA	NA	IR	IR
Flow type * *(ff,cn,sw,un,cf,sf,up,sm,no)*	SM	SM	SM	NP	SM	RP	SM	NP	SM	SM
Channel modification(s) *(ne,no,cv,rs,ro,da,fo)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	N
Channel feature(s) *(ny,no,ro,ar,ve,ar,is)*	NO	NO	NO	NO	TR	NO	NO	NO	NO	N
RIGHT BANK FEATURES (*see codes below*)										
Material *(bl,se,so,co,cs,sa,pe,cl,cc,si,vp,ca,sa,sv)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(ne,no,as,ss,pc,sm,en)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	N
Bank feature(s) *(ny,no,ec,sc,pa,vp,ss,vs)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	N

F BANKTOP LAND USE AND VEGETATION *(to be assessed over 5m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IF	IF	IF	IF	IF	IF	IG	TH	BL	BL
LEFT BANK-TOP *(structure within 1m)* M/U/S/C	U	U	U	U	S	U	U	S	S	S
LEFT BANK FACE *(structure)* M/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* M/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* M/U/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	SU	SU	SU	SU	TL	TL	TL	TL

G PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens						/			/	
Emerg broad-leaved herbs			/		/	/	/			/
Emerg reeds/sedges/rushes		/		/		/		/		
Floating-leaved (rooted)							/			
Free-floating	/	/	/	/	/	/		/	/	/
Amphibious				/						
Submerged broad-leaved										
Submerg fine/linear-leaved							/			
Filamentous algae										

H LAND USE WITHIN 5m OF BANKTOP *(use 1 to 10 % bandings)* or if preferred

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	/		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		/
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herb / rank vegetation *(TH)*	/		Suburban/urban development *(SU)*		E

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑		☐
Pool(s)	☑	☐	☐	Mature island(s)	☑		☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): glide, riffle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS *(to be measured on a straight reach over one section, preferably across a*

LEFT BANK				RIGHT BANK
Banktop height (m)	2.0	Banktop width (m)	15.00	Banktop height (m)
Embanked height (m)		Water width (m)	2.00	*Embanked height (m)*
		Water depth (m)	0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(in channel and on banks)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ☑ Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron b

R OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ... opportunity

S ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number 6795

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO2631 River: ARTH
Date 4.6.1996 Time: 9.45 Surveyor name Lanthorn . Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐
Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)
IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ (tick one box)
Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

PREDOMINANT VALLEY FORM (see diagram)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add 'U')
☑ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

RIFFLE / POOL SEQUENCE

Riffles 9 Unvegetated point bars 0
Pools 1 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
EWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVERMAN HABITAT SURVEY

Riffles / Pools

	1	2	3	4	5	6	7	8	9	10
PERIPHYTON										
Material	EA	BE	BE	EA	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	ND
Bank feature(s)	SB	NO	SC	NO	NO	SC	SC	SC	NO	SC
CHANNEL										
Channel substrate	CO	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape	IR	/	/	/	/	/	/	/	/	/
Flow type	GF	UW	FF	UW	BS	RP	SM	FF	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MB	NO	NO	NO	NO	NO	NO	NO	Ro	Ro
RIGHT BANK										
Material	BE	BE	BE	BE	BE	EA	BE	EA	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	Ro	SC	NO	NO	NO	SC
FRAMEWORK LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m)	C	C	C	C	C	S	S	C	C	C
LEFT BANK FACE (structure)	C	S	S	S	S	S	S	S	C	S
RIGHT BANK FACE (structure)	C	C	S	S	S	C	S	S	S	S
RIGHT BANK TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
PLANT IDENTIFICATION										
NONE / PLANT GENERA - tick first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/dissect leaved										
Filamentous algae										

RIVERMAN HABITAT SURVEY SCORE SHEET

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Conif plantation (CP)			Improved/semi-improved grass (IG)		
Arable (OR)			Tilled land (TL)		
Land/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Other - road vegetation (TH)			Suburban/urban development (SU)		
Unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recectioned		
1 - 45°			Reinforced - whole bank		
>45°	E	E	Reinforced - top only		
Overhang	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Pool(s)	☐	☑	☐
Side(s)	☐	☑	☐
Bar(s)	☐	☑	☐

	None	Present	E (>33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☐	☑
Exposed boulders	☐	☑	☐
Unvegetated mid channel bar(s)	☐	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - RUN - CASCADE

RIVERMAN HABITAT SURVEY DIMENSIONS AND ALTERATIONS

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.2	Banktop width (m)	6.5	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	4.C	Embanked height (m)	
		Water depth (m)	0.2		

If trapezium lower than banktop break at slope, indicate: height (m) = width(m) =
Bed material at site is: consolidated (inspect) ☑ unconsolidated (loose) ☐ unknown ☐
Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

ARTIFICIAL FEATURES

None ☑ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MAINTENANCE

None ☑ Dredging ☐ Enhancement ☐ Mowing ☐ Other ? State Weed cutting ☐

DOMINANT ADJACENT LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rosebay willowherb, bramble

MAJOR IMPACTS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - channelisation - mill - dam - weed - reed - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Hallo: natural bedrock meadland river valley - one like it always but generally very clean. Lily pond in the waterfall end

ALDER

Alder? None ☑ Present ☐ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number: 6796

Mid-site grid reference of network site if different from designated location:

Grid Reference: 692607 | River: CROCS

Date: 5.6.1996 Time: 9.15 am. Surveyor name: Iain Harris Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state ....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ✓ (tick as appropriate)

PREDOMINANT PROFILE (tick one box)

○ shallow vee
✓ concave/bowl (If U-shaped glacial valley - add 'U')
○ deep vee
○ symmetrical floodplain
○ gorge
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

SUBSTRATUM

Riffles 17 | Unvegetated point bars 1
Pools 1 | Vegetated point bars 0

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IT DAWSON, IFE, RIVER LABORATORY EAST STOCE, WAREHAM, BH20 6BB

HABITAT SURVEY

Date: 5.6.1996 | Photo ref: 1 | Using 5 m tape

SPOT CHECK ATTRIBUTES

Spot check no. (1 = upstream)	1	2	3	4	5	6	7	8	9	10
DOMINANT VEGETATION										
Material (BA, BO, CO, GS, LA, PL, OL, OC, SF, TF, CA, AL, LS, OV)	CA	CA	CO	CO	CO	CO	CA	CO	CA	CA
Bank modification(s) (NE, PO, RS, NI, PC, BM, EM)	NO	NO	NO	NO	RS	NO	NO	NC	NO	NO
Bank feature(s) (BP, PO, EC, IC, FP, TP, TR, NO)	NO	NO	NO	EC	NO	EC	EC	NO	NO	NO
CHANNEL										
Channel substrate (BE, BO, CO, CF, SI, SI, CL, PE, OL)	CO	CO	GP	GP	CO	CO	CO	BO	CO	CO
Substrate shape (FL, CV, CI, V, CU, NO BL, Other)	IR	SR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (FT, CH, PP, UW, LS, SF, UP, SM, NF, NO)	UW	UW	UW	UW	UW	SM	CH	CH	UW	UW
Channel modification(s) (NE, NO, CV, ES, RI, DA, FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NF, NO, BO, RA, VE, WI, TR)	NO	NO	NO	NO	NO	NO	RO	RO	NO	NO
RIGHT BANK										
Material (as LB, BO, CO, GS, LA, PE, OL, OC, SF, TF, CA, AL, LS, OV)	EA	CO	EA	BO	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, ES, RS, PC, BM, EM)	NO	RS	NO	RS	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF, NO, EC, BP, TP, TR, OL, VE)	SC	NO	NO	NO	EC	NO	NO	EC	NO	NO
RIPARIAN LAND AND VEGETATION STRUCTURE										
Land use: choose one from: IA, CP, OR, HP, IC, TH, AF, IG, TL, HL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m)	C	C	C	S	C	S	S	U	U	U
LEFT BANK FACE (structure)	S	C	S	B	C	B	B	C	B	B
RIGHT BANK FACE (structure)	S	B	S	C	B	C	C	B	S	S
RIGHT BANK TOP (structure within 1m)	U	S	S	C	U	U	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
CHANNEL VEGETATION										
NONE / PLANT GENERA - list 6no.)										
Bryophytes/lichens	/		/		/		/	/	/	
Emerg broad-leaved herbs	/		/	/	/	/	/		/	
Emerg reeds/sedges/rushes				/						
Floating leaved (rooted)										
Free-floating										
Submerged/fine										
Submerged broad-leaved										
Submerged fine/filamentous										
Filamentous algae	/	/		/		/			/	

SITE NO 6796

CHANNEL SURVEY

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	/		Open water (OW)		
Tall herbs / reed vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Sanctioned	/	E
Vertical + toe			Reinforced - whole bank	/	/
Steep (>45°)	/	/	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	/
			Embanked	/	
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	✓
Semi-continuous	✓	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	○	✓	○
Undercut tree roots	○	✓	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwood	○	✓	○
Cascade(s)	○	✓	○	Exposed bedrock	✓	○	○
Rapid(s)	○	✓	○	Exposed boulders	○	✓	○
Riffle(s)	○	✓	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	○	✓	○	Vegetated mid channel bar(s)	✓	○	○
Bank(s)	✓	○	○	Mature island(s)	✓	○	○
Other(s)	○	✓	○	Unvegetated side bar(s)	○	✓	○
Pool(s)	○	✓	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): RIFFLE

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop width (m)		Banktop width (m)	7.1	
Banktop height (m)	1.0	Water width (m)	5.6	Banktop height (m) 1.0
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)

If trapezium: lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ (tick one box)

CHANNEL FEATURES

None ✓ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

None ✓ Dredging ○ Enhancement ○ Mowing ○ Other ? Stone ... Weed cutting ○

None ○
Waterfalls > 5m high ○
Braided/side channels ○
Debris dams ○
Leafy debris ✓
Artificial open water ○
Natural open water ○
Water meadow ○
Fen ○
Bog ○
Carr ○
Marsh ○
Flush ○
Other (state)

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bracken

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - farming - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - mayflies - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Bank is reclaimed/re-placed [illegible] Grassland [illegible] damage Yard [illegible] Otherwise fairly straight

Alders? None ○ Present ✓ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6797

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 714665 River: TEIFI.

Date 11/6/1996 Time: 11 00 Surveyor name N GRIEVE Accreditation code PE 12

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ symmetrical floodplain
- ☒ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES AND POOLS

Riffles 7

Pools 2

Unvegetated point bars

Vegetated point bars

> COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SITE CHECKS

FALLY (use DAT) for Riffles 7/11 Pools 11 Upstr side bank Veg zonal bars

PHYSICAL ATTRIBUTES (for the purposes of calculating RVPI)

Spot check for agreement ✓ done with mean

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	RC	NO
Bank feature(s)	VS	VS	NO	NO	NO	NO	EC	NO	NO	EC
CHANNEL										
Channel substrate*	GP	GP	CO	GP	CO	GP	GP	GP	CO	GP
Substrate shape	FL	FL	DR	NV	DR	FL	FL	FL	DR	DR
Flow type*	SM	SM	UW	NP	UW	SU	NP	RP	UW	UW
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NG	TR	NO	NO	VB	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	RC	NO	NO	NO	RC	NO
Bank feature(s)	NO	SC	NO	NO	VS	VS	NO	NO	NO	SB

B. BANKTOP/LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m stretch)

Land use: choose one from BL, CP, OR, WH, SC, IN, RF, IO, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	TC	IRO	RD	RD	RD	IG	RD	RD
LEFT BANK-TOP (structure within 1m) MARK	U	U	S	U	S	U	U	U	U	U
LEFT BANK FACE (structure) MARK	U	S	U	S	U	U	U	S	U	U
RIGHT BANK FACE (structure) MARK	S	U	U	S	U	S	U	U	U	U
RIGHT BANK-TOP (structure within 1m) MARK	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RD	RD	RD	RP	RD	RD	RD

C. CHANNEL VEGETATION STRUCTURE (% cover)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs Pota-mo			↘		↘					↘
Emerg reeds/sedges/rushes Juncus Glyceria			↘	↘	↘		↘			↘
Floating leaved (rooted) Ran-sp Nuphar	↘	↘								↘
Free-flowing										
Amphibious Ran-sp Pota-mo			↘							↘
Submerged broad leaved										
Submerg fine/narrow leaved Callitriche Fontinalis	E	↘	↘		↘		↘	↘	E	↘
Filamentous algae	E	↘	↘		↘		↘	↘		↘

TE NO 6797 RIVER HABITAT SURVEY: SITE CHECKS Page 2 of 4

D. CHANNEL MODIFICATIONS AND ENGINEERING

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↘	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ rank vegetation (TH)			Suburban/urban development (SU)	↘	

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	↘	↘	Resectioned		
Level + toe	↘	↘	Reinforced - whole bank		
Slip (>45°)	E	E	Reinforced - top only		
Gentle	↘	↘	Reinforced - toe only		
Eroding			Artificial two-stage		
			Pitched	↘	↘
			Embanked		
			Set back embankments		

E. CHANNEL AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Undercover tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfalls(>)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(>)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapids(>)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffles(>)	☐	☐	☒	Unvegetated mid channel bar(>)	☒	☐	☐
Runs(>)	☐	☒	☐	Vegetated mid channel bar(>)	☒	☐	☐
Beads(>)	☒	☐	☐	Marginal island(>)	☒	☐	☐
Chutes(>)	☐	☐	☒	Unvegetated side bar(>)	☐	☒	☐
Pools(>)	☐	☒	☐	Vegetated side bar(>)	☐	☒	☐

Site predominant flow sequence (select up to three features): RIFFLE - POOL

RIVER HABITAT SURVEY: DIMENSIONS AND GRADIENTS

F. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.75	Bankop width (m)	8·25	Bankop height (m)	0.5
Embanked height (m)		Water width (m)	7·0	Embanked height (m)	
		Water depth (m)	0·2		

If trafficker lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

G. CHANNEL MODIFICATIONS

Name ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

H. RECENT MANAGEMENT ACTIVITY

Name ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

I. CHANNEL SIDE AND ADJACENT FEATURES

Name ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

J. CHOKING PLANTS

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

K. NOTABLE PLANTS

Name ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle, Rhododendron bushes)

L. MISCELLANEOUS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - amphibians/damselflies

Other significant observations: Clear GP stream - more bank erosion downstream and. Few trees. mostly open ??

M. FISH

Aliens? None ☒ Present ☐ Extensive ☐ Diseased Aliens? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with fish cover for pilot scores and comments) — page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ¹	Navigation ¹
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6798

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 809608 River: (UN-NAMED Trib of TYWI.

Date 11/6/1996 Time: 14:00 Surveyor name(s): SP/EVE Accreditation code: PF'2

Adverse conditions affecting survey? No ☐ Yes ☒ *If yes, state* HEAVY RAIN, RIVER BED-VIS

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☒ concave/bowl *(If U-shaped glacial valley add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D RIFFLE-POOL SEQUENCE

Riffles 5 — Unvegetated point bars

Pools 1 — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P N DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS — page 2 of 4

TALLY (use [5]) for Riffles | Pools | Uferng. veh. bars | Veg. point bars

E PHYSICAL ATTRIBUTES (to be recorded across channel width at two sides (transect) of each spot check)

Spot check No. (numbered downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (BE,BO,CO,CB,SA,PE,CL,OC,ZF,MM,OA,AR,AF)	SA	SA	SA	SA	CO	SA	SA	SA	BE	SA
Bank modification(s) (NE,PO,RS,RI,PC,BAT,EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (RP,PO,EC,NC,PB,TF,SD,TT)	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL										
Channel substrate (BE,BO,CO,CP,SA,SI,CL,PE,AR)	CO	NV	BE	CO	CO	CO	CO	BE	BE	BE
Substrate shape (FL,CV,CC,TF,CU,FO,IR, Other)	IR	NA	NA	FL	NV	NV	NV	NA	NA	NA
Flow type (FT,CH,BW,UW,CF,BT,UF,SH,HF,NO)	BW	UW	UW	SM	UW	BW	UW	CH	UW	BW
Channel modification(s) (NE,NO,CY,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (RP,PO,BO,RB,WF,NI,TR)	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material (BE,BO,CO,CB,SA,PE,CL,OC,ZF,MM,OA,AR,AF)	EA	EA	EA	EA	EA	EA	EA	EA	BE	EA
Bank modification(s) (NE,PO,RS,RI,PC,BAT,EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (RP,PO,EC,NC,PB,TF,SD,TT)	EC	NO	NO	NO	NC	NO	NO	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide transect)

Land use, choose one from: BL, CP, OR, HH, SC, TH, IF, IC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	WL	RP	RP	WL	WL	WL	WL
LEFT BANK-TOP (structure within 1m) SU/UC	S	S	U	S	U	U	S	S	S	S
LEFT BANK FACE (structure) SU/UC	S	U	S	S	U	S	S	S	S	S
RIGHT BANK FACE (structure) SU/UC	B	U	U	U	B	U	U	U	C	B
RIGHT BANK-TOP (structure within 1m) SU/UC	U	U	U	S	U	U	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	WL	RO	WL	RP	WL	WL	RP	MH	RP

G VEGETATION STRUCTURE (tick one box per column)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓							
Emerg broad-leaved herbs								✓	✓	✓
Emerg reeds/sedges/rushes (Juncus)										✓
Floating-leaved (rooted)						✓				
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/fibrous-leaved										
Filamentous algae				✓						✓

SITE NO. 6798 — 1996 RIVER HABITAT SURVEY: SPOT CHECK DIMENSIONS AND INFLUENCES — page 3 of 4

H CHANNEL DIMENSIONS (to be recorded at each spot check)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	E
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MD)		✓	Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial step-stage		
			Pitched		
			Embanked		
			Set back embankments		

I CHANNEL DIMENSIONS (to be recorded at each spot check)

	L	R		L	R
Bankside height (m)	0.4		Bankside width (m)	5.7	
Embanked height (m)			Water width (m)	2.2	
			Water depth (m)	0.5	

If trapezium between bankside break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

J CHANNEL MANAGEMENT

None ☐ Number of: Culverts = Footbridges = Weirs = Bridges = Outfalls = Other = > Fords = 3: forestry tracks (+ vehicle)

Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

None ☒	Dredging ☐	Mowing ☐	Weed cutting ☐
	Enhancement ☐	Other ? State:	

K CHANNEL AND BANKSIDE FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☒ Other (state):
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

L BANKSIDE LAND USE

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

M ENGINEERING AND MANAGEMENT

Major impacts: bankfill - clipping - fence - sewage - pollution - dredging - obstruction - mill - dam - road - rail industry - mining - mining - quarrying - overdeepening (channelisation) fisheries management - mining - other? =

Land Management: no mods - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: deer - mink - water vole - kingfisher - dipper - grey wagtail - mud marks - heron - dragonfly/damselfly

Other significant observations: BE dominated stream running fast upon jetting. with CP on LH side (Bog). Islands, wet margins

N BANKSIDE AND INSTREAM VEGETATION

Adders' Notes ☒ Present ☐ Extensive ☐ Duckweed Adders: Notes ☒ Present ☐ Extensive ☐

O CHANNEL AND BANKSIDE FEATURES

Waterfall(s)	None ☐	Present ☒	E ☐	Marginal deadwater	None ☐	Present ☒	E (≥ 33%) ☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☐	☐	☒
Rapid(s)	☐	☐	☒	Exposed boulders	☐	☒	☐
Riffle(s)	☐	☐	☒	Unvegetated mid channel bar(s)	☐	☒	☐
Run(s)	☒	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☒	Marker island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☒	☐	☐
Flush(s)	☐	☒	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (select up to three features): RAPID, RIFFLE, GLIDE

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6799

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 973667 River: WYE.

Date: 6/11/1996 Time: 17:35 Surveyor name: J. GRIEVE Accreditation code: PK12

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☑ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND OTHERS (indicate total number)

Riffles 3 Unvegetated point bars

Pools Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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RIVER HABITAT SURVEY: TEN SPOT CHECKS

FALLY (see guide for Riffles Pools Uneven bottom Very smooth flow)

1 PHYSICAL ATTRIBUTES (to be assessed across channel cross-section at wide transect) (1 = none, 5 = extensive, 10 = total)

Spot check no. (distance)	1	2	3	4	5	6	7	8	9	10
2 FEATURES OF BANK STRUCTURE (vertical bank face)										
Material (BE, BO, CO, CC, CL, FC, CL, CC, SI, SP, CLAY, BR, R)	CO	EA	SI	SI	EA	SA	EA	SI	EA	SI
Bank modifications(s) (NE, NO, ES, RI, FC, SW, FN)	NO	NO	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s) (NO, EC, BC, FA, PP, SB, VT)	NO	NO	SS	SS	SS	SS	SS	NO	SS	SS
3 CHANNEL STRUCTURE (vertical bank face)										
Channel substrate (BE, BO, CO, CF, SI, SI, CL, FC, AI)	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape (FL, CH, D, U, CU, NO BI, Other)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type (FF, CH, BW, SW, CF, SF, UF, SM, PP, NO)	UW	RP	UW	PP	SW	SM	SW	SM	PP	UW
Channel modification(s) (NE, NO, CV, SS, RI, DA, FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NO, EO, MI, VB, AO, IS)	RO	NO	RO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK **4 BANKTOP/LAND USE AND VEGETATION STRUCTURE** (vertical bank face)										
Material (BE, BO, CO, CB, SA, PE, CL, CC, SI, SP, CA, SA, SB, R)	EA	EA	EA	EA	EA	CO	EA	EA	EA	EA
Bank modifications(s) (NE, NO, ES, RI, FC, SW, EN)	NO	NO	NO	NO	NC	NC	NO	NO	NO	NO
Bank feature(s) (NO, EC, BC, FA, PP, SB, VT)	NO	SB	SC	NO	NO	NO	NO	NO	NO	NO
4 BANKTOP/LAND USE AND VEGETATION STRUCTURE (within 5m of bankside)										
Land use: choose one from: BL, CP, OR, WH, IC, IN, SP, IG, IL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MMMC	S	S	C	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) MMMC	C	S	C	S	S	S	C	C	S	S
RIGHT BANK-TOP (structure within 1m) MMMC	U	U	S	C	S	S	C	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	CO	CP	CP	SC	BL	BL	IG	IG
5 VEGETATION STRUCTURE (within 5m of bankside)										
NONE / PLANT GENERA - list first 5				✓						✓
Bryophytes/lichens	✓	✓	✓		✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved								-		
Submerg fine/linear leaved										
Filamentous algae										✓

SITE NO. 6799 RIVER HABITAT SURVEY: 500m SURVEY PATH SKETCH

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500m SURVEY PATH: OPTIONAL FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Conifer plantation (CP)		E	Improved/semi-improved grass (IG)	E	✓
Arable (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Inland rock and vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	2	✓ E	Resectioned		
30° < 90°	2		Reinforced - whole bank	2	
(>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Pitched	✓	
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	6 (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	✓	☐	☐

	None	Present	6
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	☐	✓
Run(s)	☐	✓	☐
Bay(s)	☐	✓	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	6 (≥ 33%)
Marginal deadwood	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid channel bar(s)	✓	☐	☐
Vegetated mid channel bar(s)	✓	☐	☐
Marginal island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): GLIDE - RIFFLE

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RIVER CHANNEL SURVEY: DIMENSIONS AND OTHER FEATURES

6 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankside width (m)		21.0		Bankside width (m)	
Bankside height (m)	2.0	Water width (m)	16.5	Bankside height (m)	2.0
Embanked height (m)	/	Water depth (m)	0.35	Embanked height (m)	/

If trackline lower than bankside break in slope, indicate: height (m) = 1.0 width(m) = 19.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ - (tick one box)

7 ANTHROPOGENIC ALTERATIONS

None ☑ Number of: Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

8 CHANNEL DEPOSITS AND MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State .....

9 FEATURES OF NATURAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/wide channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state): some herbs (meadow e.g.)

10 FLOODPLAIN

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

11 INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

12 OTHER INFORMATION

Major impacts: bank(S) - dipping - litter - sewage - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening (Horseshoe) - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Large meander, clear water. long S3 L43. SD = R43

13 MACROPHYTES

Algae? None ☐ Present ☑ Extensive ☐ Diatoms? Algae? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY — IHI mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number 6800

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 051609 River: ITHON

Date 6/6/1996 Time 15:00 Surveyor name(s) GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☒ (MOSTLY) entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS, POINT BARS (natural features only)

Riffles	5	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
• IH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — TEN SPOT CHECKS — Page 2 of 4

Left / Right (LB, RB) Riffle / Pools / Glide / Run / Step / Cascade / Vegetation type

H PHYSICAL ATTRIBUTES (for bankside features, if 1m wide transect) (for channel features)

Spot check no. (1 = upstream)	1	2	3	4	5	6	7	8	9	10
I LEFT BANK ATTRIBUTES (tick box)										
Material (BE, BO, CO, CB, LI, PE, CC, FC, SP, SH, GA, AR, AA, ZZ)	EA	EA	EA	SA	EA	SA	EA	EA	EA	EA
Bank modifications(s) (NE, NO, RS, RI, PC, BH, ZZ)	NO	PC	RC	RC	NO	PC	NO	RC	NO	NO
Bank feature(s) (NF, NO, EC, SC, FP, TP, SB, VS)	SC	NO	NO	SB	NO	VS	VS	VS	NO	NO
J CHANNEL ATTRIBUTES (tick box)										
Channel substrate (BE, BO, CO, GF, SA, SI, CL, PE, AR)	C	C	CO	CO	GP	CO	SO	CO	GP	CO
Substrate shape (FL, CH, CL, U, CV, FO, IR, Other)	IR	PO	IR	IR	FL	IR	IR	PO	UN	UN
Flow type (FF, CH, BW, UW, CF, RF, UP, SH, WF, NO)	WP	UW	UW	UW	RP	UW	RP	BW	RP	SW
Channel modifications(s) (NE, NO, CV, RS, RI, BH, FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NF, NO, RO, WE, VB, RI, IS)	NO	VB	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material (as LB)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) (as LB)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (as LB)	NO	SC	NO	EC	NO	SC	NO	EC	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: AL, CP, OA, HH, IC, IH, RF, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BA/UC	E	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/UC	E	C	U	S	C	S	C	S	S	C
RIGHT BANK FACE (structure) BA/UC	S	C	C	B	S	S	C	S	C	C
RIGHT BANK-TOP (structure within 1m) BA/UC	U	U	U	C	C	S	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	BL	BL	BL	IG	IG	IG

Q VEGETATION TYPES (Presence)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓								✓
Emerg broad-leaved herbs			✓		✓	✓	✓			✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓		✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓							
Submerged broad-leaved										
Submerg fine/linear-leaved		E	✓	✓	✓	✓	S			E
Filamentous algae		✓		✓	✓		✓			✓

SITE NO. 6800 — 1996 RIVER HABITAT SURVEY — Page 3 of 4

R SOIL AND LAND USE (within 50m of channel)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

S CHANNEL MODIFICATIONS AND ENGINEERING

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/reinforced	✓	E	Resectioned		
Vertical + toe	✓	✓	Reinforced - whole bank		
Slope (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	E	✓	Artificial one-stage		
			Pooled	E	
			Embanked		
			Set back embankments		

T TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/occasional	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☒

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Undercut/raw roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

U CHANNEL FEATURES

	None	Present	E
Waterfalls(>)	☒	☐	☐
Cascades(>)	☒	☐	☐
Rapids(>)	☐	☒	☐
Riffle(>)	☐	☐	☒
Run(>)	☐	☐	☒
Bank(>)	☐	☒	☐
Glide(>)	☐	☒	☐
Pool(>)	☐	☒	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☐	☒	☐
Exposed boulders	☐	☒	☐
Unvegetated mid channel bar(>)	☐	☒	☐
Vegetated mid channel bar(>)	☐	☒	☐
Mature islands(>)	☐	☒	☐
Unvegetated side bar(>)	☐	☒	☐
Vegetated side bar(>)	☐	☐	☒

Indicate predominant flow sequence (select up to three features): RIFFLE & GLIDE

1996 RIVER HABITAT SURVEY — DIMENSIONS AND FEATURES — Page 4 of 4

X CHANNEL DIMENSIONS (to be measured at a single cross-section)

LEFT BANK				RIGHT BANK
Bankop width (m)		Bankop width (m)	25.0	Bankop width (m)
Bankop height (m)	1.5	Water width (m)	20.0	Bankop height (m) 1.75
Embanked height (m)	/	Water depth (m)	0.4	Embanked height (m) /

If trashline lower than bankop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (bedrock) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ (tick one box)

Y ARTIFICIAL FEATURES

None ☐ Number of: Culverts = / Fords = / Weirs = / Outfalls = 1 / Footbridges = / Roadbridges = / Other =

Is water impounded by weirdam? No ☒ Yes, <33% of site ☐ >33% of site ☐

Z RECENT MANAGEMENT ACTIVITY

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? Note: .....

AA ADJACENT LAND USE

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/wide channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Fluvio	☐

AB CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

AC RIPARIAN TREE SPECIES

None ☐ Quick Hedgerow ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

AD MAN-MADE FEATURES

Major impacts: bank(s) - dipping - bites - outrage - pylon(s) - dyke(s) - obstruction - mill - dam - road - rail (industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other) =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GRAZING (cattle)

Animals: mice - mink - water vole - kingfisher - dipper - grey wagtail - mink moths - heron - dragonflies/damselflies

Other significant observations: Steep banks, eroding here (L).

AE OVERALL CHANNEL CONDITION

Alders? None ☐ Present ☐ Excessive ☐ Diseased Alders? None ☐ Present ☒ Excessive ☐

Page 2 of 2 pages

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6801

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 191669 River: BLEDDFA BROOK

Date 13/6/1996 Time 11:30 Surveyor name N GREVE Accreditation code PF12

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☑ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☑ concave/bowl (If U-shaped glacial valley - add 'U')
☐ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SURVEY DETAILS

Riffles 20 | Unvegetated point bars |
Pools 5 | Vegetated point bars 2

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Andrew Shepherd
3 Cwmgorwyn
Sleaford
LN2 1DL

→ Request RHS 94 95 report

1996 RIVER HABITAT SURVEY: IN SPOT CHECK 2 Page 2 of 4

PHYSICAL ATTRIBUTES (to be collected across channel at the 10 metre (marked) point only)

Spot check 1 in upstream ☑ downstream ?	1	2	3	4	5	6	7	8	9	10
LEFT BANK (facing DS)										
Material (see BEAD, CO, CB, CA, FC, CL, CC, SI, SP, GA, AA, AS, BR)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) (see AM, AR, BD, CH, DE, FE, PC, BM, EM)	NC	NO	NO	NO	PC	NO	NO	NO	NO	NO
Bank feature(s) (see AO, EC, HC, FA, OF, SB, VE)	NO	NO	SC	P3	NO	EC	NO	VS	NO	NO
RIGHT BANK (facing DS)										
Channel substrate (see BE, BO, CO, CF, SA, SI, CL, PE, AA)	SP	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape (FL, CH, SU, TE, CV, VO, SK, Others - see)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type (FT, CH, BW, UW, CF, SF, UP, SM, WF, NO)	UW	UW	UW	UW	RP	RP	NP	UW	NP	RP
Channel modifications(s) (see AE, NO, CV, EL, ES, DM, JU)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (see NO, BO, MB, VB, MT, TR)	TR	RO	NO	RO	NO	RO	NO	NO	NO	NO
RIGHT BANK (facing DS) TICK if (fractional) feature										
Material (see BE, BO, CO, CB, CA, FC, CL, CC, SI, SP, GA, AA, AS, BR)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) (see AE, AR, BD, CH, DE, FE, PC, BM, EM)	NO	NO	NO	NO	PC	PC	NO	NO	NO	NO
Bank feature(s) (see AO, EC, HC, FA, OF, SB, VE)	NO	SC	NO	EC	NO	VP	SB	EC	NO	SB

PREDOMINANT LAND USE AND VEGETATION STRUCTURE (to be assessed over a 50m wide (riparian) corridor)

Land use: choose one from IE, CP, OR, WH, RC, TH, UP, IO, FL, WL, OW, IU

LAND USE WITHIN 5m OF BANKTOP (L)	G	G	G	G	G	G	G	TH	TH	TH
LEFT BANK-TOP (structure within 5m) BANK	S	U	U	S	U	U	U	S	S	S
LEFT BANK FACE (structure) BANK	C	U	S	S	U	B	U	S	S	S
RIGHT BANK FACE (structure) BANK	C	S	S	B	U	U	U	B	S	S
RIGHT BANK-TOP (structure within 5m) BANK	S	U	U	S	U	U	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	CP	CP	FL	CP	G	G	TH	TH	TH	TH

NONE / PLANT GENERA - List first 5										
Bryophytes/lichens	E									
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 6801 1996 RIVER HABITAT SURVEY: SPOT CHECK 2 Page 3 of 4

BANK PROFILE (Estimate for 10m stretch)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Improved/semi-improved grass (IG)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Inches' road separation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetment		
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Gabion			Artificial two-stage		
Concrete			Pooled		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	5 (≥ 33%)		None	Present	5 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Marginal island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): LONG RIFFLE

SITE NO. 6801 1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop width (m)		Bankop width (m)	3.0	Bankop height (m) * 1.0
Bankop height (m)	1.0	Water width (m)	1.25	
Embanked height (m)		Water depth (m)	0.01	Embanked height (m) ‡

If trashline lower than bankop break in slope, indicate: height (m) 0.25 width (m) 2.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Bridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? Note .....

CHANNEL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (note) FRAZIER HEAD
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pan ☐ Flush ☐

CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle, Rhododendron bushes)

ENVIRONMENTAL QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening (channelised) fisheries management - siltng - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad mustin - heron - dragonflies (damselflies)

Other significant observations: Small stream, culverted 53 - CO. Calopteryx virgo.

ALIENS

Aliens? None ☑ Present ☐ Extensive ☐ Downstream Aliens? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with HM mods for plant species and cross sections Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6802

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 235693 River: LUGG

Date: 13/6/1996 Time: 14-20 Surveyor name: N GREVE Accreditation code: PC 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(not as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D SITE NUMBERS OF RIFFLES, POOLS AND POINT BARS (and full definitions)

Riffles 18 Unvegetated point bars ☒

Pools 7 Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
N H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with IFE mods for plant species and cross sections Page 2 of 4

SITE NO. 6802

E PHYSICAL ATTRIBUTES (tick for presence across channel profile)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material (BE,BO,CO,CB,GA,PE,CL,ST,SH,CA,AR,ZZ)	EA	EA	EA	SA	SA	SA	EA	SA	EA	EA
Bank modifications(+) (NE,NO,RS,RI,PC,AM,ZZ)	NO	NO	NO	NO	RC	NO	NO	NO	NO	NO
Bank features(+) (NF,NO,EC,SC,PB,WT,SB,VT)	NO	EC	SB	NS	NO	NO	EC	NO	NO	EC
CHANNEL										
Channel substrate ¹ (BE,BO,CO,GR,SA,SI,CL,PE,AR)	GP	CO	CO	GP	CO	CO	CO	CO	CO	CO
Substrate shape (FL,CH,EN,UN,CE,RF,UP,SM,MP,NO)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type ¹ (FT,GW,BW,UW,CF,RF,UP,SM,MP,NO)	SM	NP	UW	SM	UW	UW	RO	UW	SM	UW
Channel modifications(+) (NE,NO,CV,RS,RI,DA,ZZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+) (NF,NO,BO,AR,VB,WI,ZZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material ¹ (BE,BO,CO,CB,GA,PE,CL,SC,ST,SH,CA,AR,ZZ)	EA	EA	EA	EA	EA	EA	EA	EA	CO	EA
Bank modifications(+) (NE,NO,RS,RI,PC,AM,ZZ)	NO	NO	NO	NO	PC	NO	NO	NO	RI	NO
Bank features(+) (NF,NO,EC,SC,PB,VT,SB,VT)	NO	SB	NO	EC	SB	NO	SB	NO	NO	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE (for functional zone ± 10m wide)

Land use: choose one from IE, CP, OR, MM, SC, TH, SF, IC, FL, HE, OW, ZU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IE	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MAN/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MAN/C	S	B	U	S	S	S	B	U	S	S
RIGHT BANK FACE (structure) MAN/C	S	S	S	B	U	S	S	C	S	S
RIGHT BANK-TOP (structure within 1m) MAN/C	U	S	U	U	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TH	IG	IG	IG	IG	TH	IG	IG	IG

G PLANT SPECIES (Tick if present)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓		✓
Emerg broad-leaved herbs Sparganium		✓							✓	✓
Emerg reed/sedges/rushes Phalaris					✓				✓	✓
Floating-leaved (rooted) Nymphaea								✓		✓
Free-floating										✓
Amphibious Veronica	✓			✓					✓	✓
Submerged broad-leaved										
Submerg fine/fluroe-leaved										
Filamentous algae									✓	✓

SITE NO. 6802 1996 RIVER HABITAT SURVEY with IFE mods for plant species and cross sections Page 3 of 4

H SUBSTRATE AND FEATURES

	L	R
Bare/fine/mixed woodland (BL)		
Coniferous plantation (CP)		
Orchard (OR)		
Meadow/heath (MH)		
Scrub (SC)		
Tall herbs' zone separation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	E
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		

	L	R
Natural/semi-natural		
Vertical/undercut	E	E
Vertical + toe		
Steep (> 45°)	E	E
Gentle		
Composite		

	L	R
Artificial/modified		
Recontoured		
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Set back embankments		

I TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐
Cascade(s)	☐	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	☐	✓
Run(s)	☐	✓	☐
Bend(s)	☐	✓	☐
Glide(s)	☐	☐	✓
Pool(s)	☐	☐	✓

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	☐	✓	☐
Exposed boulders	☐	✓	☐
Unvegetated mid channel bar(s)	☐	✓	☐
Vegetated mid channel bar(s)	✓	☐	☐
Mature island(s) (+)	☐	☐	✓
Unvegetated side bar(s)	☐	☐	✓
Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - POOL

1996 RIVER HABITAT SURVEY DIMENSIONS AND OBSERVATIONS Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Bankop height (m)	1.25	Bankop width (m)	8.5	Bankop height (m)
Embanked height (m)		Water width (m)	6.5	Embanked height (m)
		Water depth (m)	0.15	

If trapezium lower than bankop break in slope, indicate: height (m) = 0.75 width (m) = 8.5

Bed material at site is: ☐ unconsolidated (transport) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurements in: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

L CHANNEL ALTERATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Bridges = Other = Large Pipes 2 see p15
Is water impounded by weirs/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐ over (-21)

M RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State ...

N NATURAL FEATURES (not associated with bank)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☒ Small Pool. Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

O CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

P ALIEN PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle, Rhododendron bushes)

Q OTHER INFLUENCES

Major impacts: bank/fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - gravel/sand - afforestation - fisheries management - siltation - other? - > Silage 0.1? (Lug)

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? - Fishing

Animals: Tight - other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - damselfly

Other significant observations: If rendering 2E. Pool channel, mostly bare fine

R SAMPLES

Aliens? None ☐ Present ☐ Extensive ☐ Discount Aliens? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: version IIIS mode (for riffle/pool reaches and fencing) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6803

Mid-site grid reference of network site if different from designated location:

Grid Reference SO 328632 River: HINDWELL BROOK.

Date 13/6/1996 Time 09:20 Surveyor name N GRIEVE Accreditation code PC12.

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from left bank ☒ right bank ☐ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add 'U')
- ☒ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES AND POOLS AND POINT BARS (full site assessment)

Riffles 16 Unvegetated point bars 2

Pools 5 Vegetated point bars

) COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TRANSECT CHECKS Page 2 of 4

TAKEN (see SRF) for Riffle Pool Using Bankface Water's edge

PHYSICAL ATTRIBUTES (for the assessed across channel transect)

Spot check no. (see instructions)	1	2	3	4	5	6	7	8	9	10
LEFT BANK (STICK if feature present)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	NO	NO	NO	NO	SB	VS	NO	SC	NO
CHANNEL										
Channel substrate *	CO	SP	CO	CO	CO	CO	CO	SI	CO	CO
Substrate shape	FL	FL	FL	FL	FL	FL	FL	NA	FL	FL
Flow type *	UN	SM	UN	RP	UN	SM	UN	NP	UN	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	MB	NO	NO	NO	NO	NO
RIGHT BANK (STICK if feature present)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	NO	SC	NO	SC	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: IG, CP, OR, WH, IC, TH, SF, IC, TL, HL, RW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	TL	TL	TL	TL	TL	TH	BL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	S	C	U	U
LEFT BANK FACE (structure)	B	C	C	C	C	S	C	C	S	S
RIGHT BANK FACE (structure)	S	S	C	S	S	S	S	C	S	C
RIGHT BANK-TOP (structure within 1m)	S	S	U	U	U	S	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TH	TL	TL	TL	TH	TL	TL	SC	TL

G. LAND EVALUATION (see Key)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓		✓		✓	✓	✓	✓	✓	✓
Emerg broad leaved herbs Typha, Iris	✓	✓	✓		✓		✓	✓	✓	✓
Emerg reed/sedge/rushes Phalaris	✓	✓		✓		✓	✓		✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious			✓				✓	✓		✓
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae	✓					✓	✓		✓	✓

TE NO. 6803 1996 RIVER HABITAT SURVEY Page 3 of 4

SUBSTRATE / FEATURES

	L	R		L	R
bedrock/mixed weathered (BL)	✓	✓	Rough pasture (RP)		
cobbles/gravel (CO)			Improved/semi-improved grass (IG)	✓	
...chard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
...sh (SC)			Open water (OW)		
...herbs' and vegetation (TH)	✓	✓	Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
cliff/undercut	E	E	Revetment		
...ural + toe			Reinforced - whole bank		
...ump (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
...pronite			Artificial two-stage		
			Pooched		
			Embanked		
			Set back embankments		

VEGETATION (and associated features)

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Near continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 11%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

	None	Present	E (≥ 11%)		None	Present	E (≥ 11%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid channel bar(s)	✓	☐	☐
Bed(s)	☐	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

...ate predominant flow sequence (select up to three features): RIFFLE - GLIDE (POOL)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND LINEAR FEATURES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankface height (m)	0.75	Bankface width (m)	9.4	Bankface height (m)	0.75
Embanked height (m)		Water width (m)	6.4	Embanked height (m)	
		Water depth (m)	0.1		

If trapezium lower than bankface break in slope, indicate: height (m) -0.3 width (m) - 6.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☒ run or glide ☐ other ☐ (tick one box)

ARTIFICIAL FEATURES

Name ☒ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT ACTIVITY

Name ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other * State

FEATURES OF CULTURAL INTEREST

Name ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

CHOKED CHANNEL(S)

Is 11% or more of the channel choked with vegetation? NO ☒ YES ☐

RIPARIAN VEGETATION

Note ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Name) Rhododendron bushes

RIVER USE AND CONDITION

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - siltting - other? =

Land Management: set aside (buffer strip) - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) grey wagtail mud martin - heron - dragonflies/damselflies

Other significant observations GP/CO channel - face (...) (RE)

Aliens? None ☐ Present ☐ Extensive ☐ Diseased Aliens? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with thanks for most source and format) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number 6804

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 428614 River: PINSLEY BROOK

Date: 13/6/1996 Time: 17:20 Surveyor name: N GRIEVE accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley add 'U')*
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS, UNVEGETATED AND VEGETATED POINT BARS (estimated total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (SPOT CHECK) Page 2 of 4

E PHYSICAL ATTRIBUTES (use full list for Riffles)

Spot check 1 m upstream of mid-section

	1	2	3	4	5	6	7	8	9	10
BANK TOP - TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	RS	RS	NO	NO	RS	RS	RS	RS	NO
Bank feature(s)	SC	NO	NO	SC	NO	NO	NO	NO	NO	NS
CHANNEL - TICK if functional feature										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	SI	GP
Substrate shape	FL	OV	FL	FL	OV	FL	FL	FL	FL	FL
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modifications(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	RS	NO	NO	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (Land use: choose one from BL, CP, OR, HH, IG, TH, UP, IG, FL, WL, OW, SU)

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	BL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) MAPPING	U	U	U	U	U	U	S	U	U	U
LEFT BANK FACE (structure) MAPPING	C	C	C	C	C	C	S	S	S	S
RIGHT BANK FACE (structure) MAPPING	C	C	C	C	S	C	S	C	C	C
RIGHT BANK-TOP (structure within 1m) MAPPING	U	U	U	U	U	U	S	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IG	OR	OR	IG	IG	BL	TL	TL	TL

G PLANT SPECIES LIST (NVC) (all species seen)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Berula erecta	✓									
Emerg broad leaved herbs Ranunculus	✓	✓	✓	✓	✓	✓	✓		✓	✓
Emerg reed/sedge/rushes	✓									✓
Floating leaved (rooted)										✓
Free-floating										
Amphibious	✓								✓	✓
Submerged broad leaved										✓
Submerg fine/filiform leaved	✓	✓		✓	✓	E	✓	✓	E	✓
Filamentous algae	✓	✓	✓	✓	✓	✓				✓

SITE NO 6804 — 1996 RIVER HABITAT SURVEY (SPOT CHECK) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Mapping)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	↘
Orchard (OR)		E	Tilled land (TL)		
Moorland/heath (HH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* marsh vegetation (TH)	E	E	Suburban/urban development (SU)		

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	↘	↘	Reinforced	E	E
Vertical + toe			Reinforced - whole bank	↘	↘
Steep (>45°)			Reinforced - top only		
Gentle	↘		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	↘	↘
			Embanked		
			Set back embankment		

J CHANNEL DIMENSIONS AND LAND USE

LEFT BANK		Banktop width (m)	9.0	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	5.0	Banktop height (m) 0.75
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m) /

If trapezium lower than banktop break in slope, indicate: * height (m) = 0.2 width (m) = 5.5

Bed material at site of: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurements: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Footbridges ✓ Weirs = Bridges = Outfalls = Fords = Other = CA 4.880046 (OLD)

Is water impounded by weir/dam? No ☒ Yes, <1/3 of site ☐ >1/3 of site ☐

L RIPARIAN MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State:

M NATURAL OR SEMI-NATURAL FEATURES

None	☐				
Waterfalls > 1m high	☐	Artificial open water	☐	Bog	☐ Other (state):
Bridges/culverts	☐	Natural open water	☐	Carr	☐
Debris dams	☒	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

N CHOKED CHANNEL

Is 1/3 or more of the channel choked with vegetation? NO ☒ YES ☐

O RIVER USE

None ☐ Game Fishing ☐ Kingfisher Bolson ☐ Japanese Knotweed ☐ Other (Nettle) Rhododendron bushes

P WATER QUALITY

Major impacts: head50 - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - road - rail industry - housing - mining - quarrying (farming) afforestation - fisheries management - other* -

Land Management: no walk buffer strip - headland - abandoned land - parkland - MoD other? -

Animals: otter mink water vole kingfisher dipper - grey wagtail - mud martin heron - dragonflies damselflies

Other significant observations: Uniform channel, clear SW water
Sheep noise, bridge = BL.

Q SURFACE SEDIMENTS

Algae* None ☐ Present ☒ Extensive ☐ Dissolved Algae* None ☐ Present ☐ Extensive ☐

SITE NO 6804 — 1996 RIVER HABITAT SURVEY (DIMENSIONS AND LAND USE) Page 4 of 4

R CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	9.0	RIGHT BANK
Bankop height (m)	0.5	Water width (m)	5.0	Bankop height (m) 0.75
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m) /

If trapezium lower than bankop break in slope, indicate: * height (m) = 0.2 width (m) = 5.5

Bed material at site of: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurements: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

S ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Footbridges ✓ Weirs = Bridges = Outfalls = Fords = Other = CA 4.880046 (OLD)

Is water impounded by weir/dam? No ☒ Yes, <1/3 of site ☐ >1/3 of site ☐

T RIPARIAN MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State:

U NATURAL OR SEMI-NATURAL FEATURES

None	☐				
Waterfalls > 1m high	☐	Artificial open water	☐	Bog	☐ Other (state):
Bridges/culverts	☐	Natural open water	☐	Carr	☐
Debris dams	☒	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

V CHOKED CHANNEL

Is 1/3 or more of the channel choked with vegetation? NO ☒ YES ☐

W RIVER USE

None ☐ Game Fishing ☐ Kingfisher Bolson ☐ Japanese Knotweed ☐ Other (Nettle) Rhododendron bushes

X WATER QUALITY

Major impacts: head50 - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - road - rail industry - housing - mining - quarrying (farming) afforestation - fisheries management - other* -

Land Management: no walk buffer strip - headland - abandoned land - parkland - MoD other? -

Animals: otter mink water vole kingfisher dipper - grey wagtail - mud martin heron - dragonflies damselflies

Other significant observations: Uniform channel, clear SW water
Sheep noise, bridge = BL.

Y SURFACE SEDIMENTS

Algae* None ☐ Present ☒ Extensive ☐ Dissolved Algae* None ☐ Present ☐ Extensive ☐

SITE NO 6804 — 1996 RIVER HABITAT SURVEY (SPOT CHECK) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Mapping)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	↘
Orchard (OR)		E	Tilled land (TL)		
Moorland/heath (HH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* marsh vegetation (TH)	E	E	Suburban/urban development (SU)		

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	↘	↘	Reinforced	E	E
Vertical + toe			Reinforced - whole bank	↘	↘
Steep (>45°)			Reinforced - top only		
Gentle	↘		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	↘	↘
			Embanked		
			Set back embankment		

J CHANNEL DIMENSIONS AND LAND USE

LEFT BANK		Bankop width (m)	9.0	RIGHT BANK
Bankop height (m)	0.5	Water width (m)	5.0	Bankop height (m) 0.75
Embanked height (m)	/	Water depth (m)	0.2	Embanked height (m) /

If trapezium lower than bankop break in slope, indicate: * height (m) = 0.2 width (m) = 5.5

Bed material at site of: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurements: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Footbridges ✓ Weirs = Bridges = Outfalls = Fords = Other = CA 4.880046 (OLD)

Is water impounded by weir/dam? No ☒ Yes, <1/3 of site ☐ >1/3 of site ☐

L RIPARIAN MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State:

M NATURAL OR SEMI-NATURAL FEATURES

None	☐				
Waterfalls > 1m high	☐	Artificial open water	☐	Bog	☐ Other (state):
Bridges/culverts	☐	Natural open water	☐	Carr	☐
Debris dams	☒	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

N CHOKED CHANNEL

Is 1/3 or more of the channel choked with vegetation? NO ☒ YES ☐

O RIVER USE

None ☐ Game Fishing ☐ Kingfisher Bolson ☐ Japanese Knotweed ☐ Other (Nettle) Rhododendron bushes

P WATER QUALITY

Major impacts: head50 - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - road - rail industry - housing - mining - quarrying (farming) afforestation - fisheries management - other* -

Land Management: no walk buffer strip - headland - abandoned land - parkland - MoD other? -

Animals: otter mink water vole kingfisher dipper - grey wagtail - mud martin heron - dragonflies damselflies

Other significant observations: Uniform channel, clear SW water
Sheep noise, bridge = BL.

Q

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

GRIDDED SURVEY DETAILS

Reference network site number 6805

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO573694 River: LEOWYCH BROOK

Date 10/5/1996 Time: 1330 Surveyor name: J Follett Accreditation code: PF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
M. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

Tally (use 5th bar ||||) for: Riffles / Pools / Unveg. side bars / Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ✓ = one entry only

Spot check no. (position)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓									
Material	EA	EA	ER	EA	EA	EA	EA	EA	CH	EA
Bank modifications	PC	No	ND	No	No	No	ND	No	No	No
Bank features	NO	ND	NO	EC	ND	No	ND	No	No	No
CHANNEL NEW - substrate dwyer codes										
Channel substrate	BP	SA	NV	SA	NV	SA	BP	GA	NV	BP
Substrate shape	IR	VA	MA	VA	VA	VA	VA	NT	RA	VA	NV
Flow type	SM	SM	SM	SM	SM	PP	SM	SM	SM	SM	SM
Channel modifications	NO	NO	NO	NO	NO	NO	No	NO	NO	NO
Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications	NO	PC	NO	NO	NO	NO	NO	NO	NO	NO
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: ar, cr, ow, wm, ic, th, cr, ri, ri, cw, tu

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	TH	IS	IS	IS	TH
LEFT BANK-TOP *(structure within 1m)* str/veg	U	U	U	U	U	U	S	U	S	U
LEFT BANK FACE *(structure)* str/veg	S	S	S	B	S	S	S	U	S	U
RIGHT BANK FACE *(structure)* str/veg	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* str/veg	B	S	U	S	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	TH	BL	PL	BL	BU	IS	IS	IS

G CHANNEL VEGETATION TYPES *(10m wide transect: if ≥ 33% area) or tick (present) 500m each side*

NONE / PLANT GENERA (up to 5)		✓	✓	✓	✓	✓	✓	✓		
Bryophytes/lichens	✓									
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Submergents										
Submerged broad-leaved								✓		
Submerg fine/linear-leaved									✓	
Filamentous algae								✓		

SITE NO. 6805 — SIDE SURVEY

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
45 < 90			Reinforced - whole bank		
(>45°)	✓	✓	Reinforced - top only		
Cattle			Reinforced - toe only		
Concrete			Artificial two-stage		
			Pooched	✓	✓
			Embanked		
			Set back embankments		

TREES *(tick one box per bank)* / ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	☐	✓	☐
Chute(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	✓	☐

Is predominant flow sequence *(select up to three features)*:

SITE NO. 6805 — CROSS-SECTIONAL DIMENSIONS AND INFLUENCES

CROSS-SECTION DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankface height (m)	1.90	Bankface width (m)	9.00	Bankface height (m)	1.70
Embanked height (m)		Water width (m)	6.10	Embanked height (m)	
		Water depth (m)	0.60		

If trapezium lower than bankface break in slope, indicate: height (m) = width (m) = A

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

SURROUNDING LAND USE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ✓ Pea ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

INVASIVE PLANTS

None ✓ Giant Hogweed ☐ (Gunnera Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

OTHER FEATURES

Major impacts: bank(s) - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Deep Lads.

ALDERS (Alnus glutinosa) NEAR SITE

Alders? None ☐ Present ☐ Extensive ✓ Diamond Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6806

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 685682 River: TEME

Date 3/5/1996 Time: 14 30 Surveyor name P Scaltt Accreditation code PF35

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state .....

Bed of river visible? No ✓ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ✓ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee
✓ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES: 30% asymetr 70% symetr

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of –

TALLY (use 'Jiff') for - Riffles | Pools | Unveg side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one entry only

Spot check 1 is upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material (BE,BO,CO,CS,SA,PE,CL,CC,SI,VF,VT,CA,SH,SS,SM)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (WV,NO,EC,SC,FB,VT,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (4 - NEW CODES)										
Channel substrate (BE,BO,CO,CP,SA,SI,CL,PE,AR)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape (FL,CV,CL,SP,CU,NO,IR,Others - see)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FT,CH,BW,UW,CP,RP,UP,SH,NF,NO)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (NE,NO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (WV,NO,RO,MB,VB,WI,TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material (BE,BO,CO,CS,SA,PE,CL,CC,SI,VF,GA,BR,SS,SM)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (WV,NO,EC,SC,FB,VT,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, RG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	If	If	If	If	If	If	If	If	If	If
LEFT BANK-TOP (structure within 1m) (U/S/C)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
LEFT BANK FACE (structure) (U/S/C)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (U/S/C)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (U/S/C)	U	U	U	U	S	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	EC	BL	BL

G PLANT/VEGETATION NOTES (for 1m2 transect, 5 if 5m wide) or (for 10m2 transect)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5				/	/		/	/		
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓				✓				
Emerg reeds/sedges/rushes	✓		✓			✓				✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6806 1996 RIVER HABITAT SURVEY: SIDE OF CHANNEL

H SIDE OF CHANNEL - DOMINANT

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs* reed vegetation (TH)			Suburban/urban development (SU)		

I SIDE OF CHANNEL - SECONDARY

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe	✓		Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	✓		Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J SIDE OF CHANNEL - TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	✓	☐	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	✓	☐	☐
Run(s)	✓	☐	☐
Bank(s)	☐	✓	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS Page 4 of 4

L CHANNEL DIMENSIONS (at one representative riffle, run or glide)

LEFT BANK		Bankfull width (m)		RIGHT BANK	
Banktop height (m)	NK	Water width (m)	NK	Banktop height (m)	4.00
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = 1.10 width(m) = NK

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ✓ other ☐ (tick one box)

M ARTIFICIAL FEATURES

None ✓ Number of: Culverts = | Weirs = | Outfalls = | Fords =
Footbridges = | Roadbridges = | Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State: bank cutting

O FEATURES OF SPECIAL INTEREST

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q RIPARIAN HUMAN INFLUENCE

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nortic Rhododendron bracken

R RIVERSIDE CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: very deep, thundergan Lilium only apparent on right bank - & 7.5% sympathetic valley, 30% agriculture fields except with high, intensively bottom part.

S ALDERS (do/tick appropriate bar(s))

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6807

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO774695 River: DICK BROOK

Date: 3.5.1996 Time: 16:55 Surveyor name: I. Scarlett Accreditation code: AF35

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ○ shallow vee
- ○ concave/bowl *(if U-shaped glacial valley - add 'U')*
- ○ deep vee
- ✓ symmetrical floodplain
- ○ gorge
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

NUMBERS OF RIFFLES, POOLS AND POINT BARS *(estimate total number)*

Riffles 10 | Unvegetated point bars 3
Pools | Vegetated point bars 2

› *COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB*

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use DAFF) for - Riffles |||||||| Pools | Unveg. side bars |||| Veg point bars ||

B. PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* — one cross only

Spot check 1 to	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature	✓			✓			✓			
Material	FA	EA	EA	BE	CL	EA	EA	EA	EA	EA
Bank modification(s)	No	No	M	No	No	No	M	No	No	No
Bank feature(s)	No	No	No	No	No	No	SB	No	SB	No
CHANNEL										
Channel substrate	SP	SP	SP	SP	SP	SP	SP	P	BP	SP
Substrate shape	IR	SR	IR	IR	IR	IR	IR	AV	AV	IR
Flow type	SM	SM	SM	SM	RP	RO	UW	SM	UW	SM
Channel modification(s)	No	No	No	No	No	No	No	No	No	No
Channel feature(s)	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if functional feature					✓		✓		✓	✓
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	No	No	No	No	No	No	No	No	No	No
Bank feature(s)	SC	No	SB	No	No	No	No	No	SC	SB

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use; choose one from AL, CP, OL, WH, SC, TH, RP, IG, IL, WL, OW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SU	SU	SU	SU	SU	RP	RP	RL	RL
LEFT BANK-TOP *(structure within 1m)*	S	U	S	S	S	S	S	S	U	S
LEFT BANK FACE *(structure)*	S	S	S	S	S	C	S	S	S	S
RIGHT BANK FACE *(structure)*	C	S	S	S	S	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	SU	SU	SU	SU	IL	IL

G. CHANNEL VEGETATION *(within 1m of water's edge)*

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓		✓	✓	✓	
Bryophytes/lichens				✓		✓	✓			✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/dissect-leaved										
Filamentous algae							✓			✓

SITE NO. 6807 | RIVER HABITAT SURVEY: SPOT CHECKS

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)	✓	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SD)	✓	✓

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Recectioned		
Bank + toe			Reinforced - whole bank	✓	✓
Toe (<45°)	✓	✓	Reinforced - top only		
Toe (>45°)	✓	✓	Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	○
Continuous	○	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Undercut bank roots	○	✓	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	○	○
Cascade(s)	○	✓	○	Exposed bedrock	○	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	✓	○	Unvegetated mid-channel bar(s)	○	✓	○
Run(s)	○	✓	○	Vegetated mid-channel bar(s)	○	○	○
Pool(s)	✓	○	○	Mature island(s)	✓	○	○
Chute(s)	○	○	✓	Unvegetated side bar(s)	○	✓	○
Pond(s)	○	✓	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence *(select up to three features)*: glide / rifle

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK		Bankop width (m)	10.50	RIGHT BANK	
Bankop height (m)	2.10	Water width (m)	3.00	Bankop height (m)	1.70
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trampling lower than bankop break in steps, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ *(tick one box)*

Mean ○ Number of Culverts = Weirs = 1 Outfalls = Ponds =
Footbridges = 2 Roadbridges = 2 Other =
Is water impounded by weir/dam? No ○ Yes, <33% of site ✓ >33% of site ○

Mean ✓ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

None	○				
Waterfalls > 1m high	○	Artificial open water	○	Bog	○ Other (state)
Braided/side channels	○	Natural open water	○	Carr	○
Debris dams	✓	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

Is 33% or more of the channel choked with vegetation? NO ○ YES ○

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mostly Rhododendron bushes

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - farming - mining - quarrying - overfencing - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: old mill race, apparently constructed as land drain to adjacent stream, sewage fungus present in places (no debris) and sewage reportedly resulted in fish kill in past

Alders? None ○ Present ✓ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6808

Mid-site grid reference of network site if different from designated location:

Grid Reference SO 870 630 River: HADLEY BROOK

Date 1/5/1996 Time 13.00 Surveyor name P. Corbett Accreditation code PF35

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ concave/bowl *(If U-shaped glacial valley add "U")*
☐ deep vee
☑ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 3 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use JBP) for: Riffles /// Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 m² upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material	CL	EA	CA	EA	EA	C	EA	EA	CL	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	EC	AD	NO	NO	SC	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SC	NV	NV	SI	RP	SI	NV	SI
Substrate shape	IR	NA	NA	NA	NA	NA	IR	NA	NA	NA
Flow type	RP	SM	SM	SM	SM	SM	RP	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material	CL	CL	CL	EA	EA	CL	CL	EA	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	EC	NO	SC	SC	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from ar, CP, OR, HH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	PL	IG	IG	IG	IG	IG	IG	BL	TL
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	U	U	S	S	S	S	C	S
LEFT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	S	S	S	S	C
RIGHT BANK FACE *(structure)* BA/US/C	S	S	B	S	S	B	B	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	S	S	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TH	TH	TH	TL	TL	IG	IG

G CHANNEL VEGETATION TYPES *(Occupying > 5% of channel surface area)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5			✓	✓		✓			✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs				✓	✓		✓			
Emerg reeds/sedges/rushes					✓		✓			
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved			✓							
Filamentous algae	✓	✓				✓				

SITE NO. 6808 — 1996 RIVER HABITAT SURVEY: SIDE AND BANKTOP DESCRIPTORS — Page 3 of 4

B SIDE AND BANKTOP DESCRIPTORS *(Occupying > 5% of channel surface area)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)	✓	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	✓

Natural/semi-modified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

C SELECTION OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

D SELECTION OF FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☐	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: glide, riffle

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

B CHANNEL DIMENSIONS *(Occupying > 5% of channel surface area)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.8	Banktop width (m)	3.50	
Embanked height (m)		Water width (m)	2.70	Banktop height (m) 1.50
		Water depth (m)	0.40	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

C ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

D SERVICING AND RESERVOIR MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

E FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

F CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

G NOTABLE/NUISANCE PLANTS *(Occupying > 5% of channel surface area)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

H NOTABLE ANIMALS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Moorhen (dead). Rat near middle of section, weir (gauging station? near ☐ ☐)(weir appears to influence flow U/S.

I ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6809

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO909651 River: SALWARPE

Date 1/5/1996 Time: 10:00 Surveyor name P. Scott Accreditation code. PF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl

☐ deep vee — ✓ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

(If U-shaped glacial valley - add 'U')

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 3 Unvegetated point bars 1

Pools Vegetated point bars

AD COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS — Page 2 of 4

TALLY (see SHEET for Riffles 11 Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m upstream ✓ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material (CL, SI, SA, FE, G, CC, SP, ME, GA, BE, BR)	EA	EA	LA	EA	EA	EA	EA	CL	EA	EA
Bank modification(s) (ME, NO, RS, RI, PC, BA, EM)	No	No	No	No	NO	NO	No	No	No	No
Bank feature(s) (AV, NO, EC, SC, PB, VP, SB, VS)	No	No	No	NO	NO	SB	No	SC	NO	NO
CHANNEL (or NEW Channel) TICK if recorded	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Channel substrate ' (AV, BE, BO, CO, CP, SA, SI, CL, PE, AR)	SP	SP	PP	SA	SA	SA	SA	SA	SA	SA
Substrate shape (FL, DY, EL, SP, CU, PO, IR, Others - note)	IR	IR	IR	NA	NA	NA	NA	NA	NA	NA
Flow type ' (ST, CH, BW, UW, CF, RP, UP, SM, FP, NO)	SM	SM	RP	SM	RP	SM	SM	SM	SM	SM
Channel modification(s) (ME, NO, CV, RS, RI, DA, PO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (AV, NO, BO, MB, VB, MI, TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material (AV, BE, BO, CO, CB, LA, PE, CL, CC, SP, ME, GA, BR, BE, AR)	EA	EA	CL	EA	EA	EA	EA	EA	EA	CL
Bank modification(s) (ME, NO, RS, RI, PC, BA, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (AV, NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: IE, CP, OA, WH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IE	IB	IE	IE	IE	IE	IE	IE	IE	IB
LEFT BANK-TOP *(structure within 1m)* BU/SC	U	U	U	U	U	U	U	S	U	U
LEFT BANK FACE *(structure)* BU/SC	S	U	S	S	S	C	C	B	S	U
RIGHT BANK FACE *(structure)* BU/SC	S	U	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BU/SC	S	U	U	U	U	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IE	IE	IE	IE	IE	IE	IE	TM	TL	TL

G CHANNEL VEGETATION TYPES *(Use 1, 2, 3 (> 33% area) or tick (present) 50m transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓								
Emerg reeds/sedges/rushes				✓						✓
Floating-leaved (rooted)										
Free-floating										
Amphibious								✓		
Submerged broad leaved										
Submerg fine/linear leaved	✓		✓		✓					✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓

ITE NO. 6809 1996 RIVER HABITAT SURVEY 50m SWEEP UP

BANK AND SURROUNDING LAND (within 50m of bankside)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Sheetpiled		
Vertical + toe			Reinforced - whole bank		
Slump (> 45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

ASSESSMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

CHANNEL FEATURES AND MESOHABITATS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwood	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: Gl. > C / Cu. >

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

C CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	5.30		
Banktop height (m)	1.75	Water width (m)	3.10	Banktop height (m)	1.50
Embanked height (m)		Water depth (m)	0.50	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.80 width(m) = 4.00

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: - riffle ☐ run or glide ✓ other ☐ *(tick one box)*

K OBSTRUCTIONS

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF FRONT-LINE VEGETATION MANIPULATION

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick one box per feature)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state):
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	✓	Water meadow	☐	Marsh	☐
Leafy debris	✓	Fen	☐	Flush	☐

F CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick one box per species)* IF RHODODENDRON STANDS of others sp

None ✓ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nordic Rhododendron bracteatum

R OTHER MANIPULATIONS

Major impacts: headfill - tipping - litter (severe) pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals otter mink water vole kingfisher - dipper - grey wagtail - sand martin - heron dragonflies/damselflies

Other significant observations: [illegible]

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE goods for plant species and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

B FIELD SURVEY DETAILS

Reference network site number: 6814

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP473686 River: LEEM

Date 14/5/1996 Time: 0900 Surveyor name P.H. DAWSON Accreditation code: PF11

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☐ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (discrete total number)

Riffles 1
Pools 0
Unvegetated point bars 0
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: CHANNEL SPOT CHECKS Page 2 of 4

FULLY (on 30m) for - Riffle 1 Pool: Using side bars Visit [illegible]

E PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) (one column only)

Spot check 1 = upstream, downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Natural	EA	EA	EA	EA	CL	CL	CL	UA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	NO	NO	RS	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	VE	NO	NO
RIGHT BANK TICK if functional fence										
Natural	EA	EA	EA	EA	CL	EA	CL	EA	CL	EA
Bank modification(s)	RS	RS	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: u, OP, HR, WR, IC, FM, UP, AC, RL, WI, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BA/B/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/B/C	S	S	U	U	S	U	U	U	U	U
RIGHT BANK FACE (structure) BA/B/C	S	U	U	U	U	S	U	S	U	U
RIGHT BANK TOP (structure within 1m) BA/B/C	U	U	U	S	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	SC	TH	TL	IG	TL	TL	TL

G PLANT SPECIES (DOM)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓		✓					✓
Emerg reeds/sedges/rushes	E	E	✓		✓	E	E	✓	E	E
Floating-leaved (rooted)										
Free floating										
Amphibious			✓	✓	✓			✓		✓
Submerged broad-leaved										
Submerged fine/dissected-leaved										
Filamentous algae	✓	E	E	✓	✓	✓	E	✓	✓	E	E

SITE NO. 6814

H LOCAL ENVIRONMENT (within 50m of bankside)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs/ rank vegetation (TH)		✓	Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Reinforced	F	F
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	✓	✓
			Pitched		
			Embanked		
			Set back embankments		

J INSTREAM HABITAT FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

K INSTREAM HABITAT FEATURES

	None	Present	E (≥ 1/5)
Waterfalls(s)	✓	☐	☐
Cascades(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	✓	☐	☐
Run(s)	✓	☐	☐
Bank(s)	✓	☐	☐
Glide(s)	☐	☐	☐
Pool(s)	✓	☐	☐

	None	Present	E (≥ 1/5)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (select up to three features): Glide .

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.80	Bankop width (m)	6.50	Bankop height (m)	2.70
Embanked height (m)		Water width (m)	2.0	Embanked height (m)	
		Water depth (m)	0.40		

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box)

M CROSS-CHANNEL STRUCTURES

None ☐ Number of Culverts = Fords = Weirs = Outfalls =
Footbridges = Landbridges = Other = FARM BRIDGE
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other * State: .....

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/wide channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leaky dams ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q INVASIVE NON-NATIVE SPECIES (tick) RECORD LARGE STANDS ON MAP

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Name, Rhododendron ponticum)

R OTHER NOTABLE FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstractions - mill - dam - weed - mill industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - siltung - other? =

Land Management: (set aside) buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Reaction on dwyl avenue + grassy banks above, signs of rehabilitation in the channel + lower part of Spongamoor system. Pasture + hedgerow to northern side. Phragmites, water flowers + Ranunculus.

S OTHER (list species recorded)

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE 2000 for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation *
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6815

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP511663 River: LEAM.

Date 14/5/1996 Time: 1030 Surveyor name: P. Hawkins Accreditation code: PF 11

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES/POOLS/UNVEGETATED POINT BARS *(indicate total number)*

Riffles 1 Unvegetated point bars

Pools 0 Vegetated point bars 1

RD COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

Habitat type (HT) for Riffles 1 Pools Using side bars Veg from bars 1

E PHYSICAL ATTRIBUTES *(to be assessed across channel width over a 10m wide transect)*

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fences	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	EA	EA	CA	EA	EA	EA	EA
Bank modifications(*)	RS	RS	NO	NO	NO	NO	NO	NO	NO	RS
Bank features(*)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	CL	SI	SI	SI	SI	CL	CL	CL	CL	GP
Substrate shape	FA	NA	NA	NA	NA	NA	NA	NA	NA	IR
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	NP	NP
Channel modifications(*)	NO	NO	NO	NO	RS	RS	RS	RS	RS	RS
Channel features(*)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fences	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(*)	RS	RS	NO	NO	NO	NO	NO	NO	NO	RS
Bank features(*)	NO	VP	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: ar, cp, ind, urb, ip, rec, gr, sc, fl, w, rough, gol

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* str/sc	u	u	u	u	u	u	u	u	u	u
LEFT BANK FACE *(structure)* str/sc	u	B	u	u	S	u	u	u	S	u
RIGHT BANK FACE *(structure)* str/sc	S	S	u	u	S	u	u	u	S	u
RIGHT BANK TOP *(structure within 1m)* str/sc	u	u	u	u	u	u	u	u	u	u
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(Tick all types present in the channel and bankside zone; estimate abundance)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list from 5										
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes *Sparganium*	✓	✓	E	✓	✓	E	E	✓	E	E	E
Floating leaved (rooted) *Nuphar*				✓			✓			✓
Free floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae			✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6815

H SIDE CHANNEL DIMENSIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankment		

I SIDE CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 11%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Undercover tree roots	✓	☐	☐
Fallen trees	✓	✓	☐
Coarse woody debris	☐	☐	☐

	None	Present	E		None	Present	E (≥ 11%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	☐	✓	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid channel bar(s)	✓	☐	☐
Pool(s)	☐	☐	✓	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: Gl Ri

1996 RIVER HABITAT SURVEY: CROSS SECTIONS AND INCISION

J CROSS SECTION DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop width (m)	0	Bankop width (m)	5.20	Bankop width (m)	0
Bankop height (m)	0.40	Water width (m)	3.50	Bankop height (m)	0.60
Embanked height (m)		Water depth (m)	1.50	Embanked height (m)	

If trapezium lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (transport) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurements is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

K CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Fords = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir(s)? No ☐ Yes, <33% of site ☐ >33% of site ☑

L RECENT CHANNEL WORKS

None ☐ Dredging ☑ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

M CHANNEL OR BANKSIDE MANAGEMENT

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bay ☐ Other (state)
Bridges/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Floats ☐

N PROTECTED AND NOTABLE SPECIES

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

O NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

P LAND USE

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations: Below weir bottle + various channel waste with - silt. Above weir channel wider with weedy bank bank, some reeds - slow very shaggish. Lower channel + in right steep grassy bank

Q ARTIFACTS

Aliens? None ☑ Present ☐ Extensive ☐ Diseased Aliens? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and species Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number 5816

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WHITFORD(NENE)

Date 30/5/1996 Time: 2:11 Surveyor name JJC Accreditation code PF43

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☑ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add 'U')
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use pitfalls for Riffles, Pools, Unveg. side bars, Veg point bars)

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) * = one entry only

Spot check 1 m upstream of downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓	✓								
Material* (BE,BO,CO,CS,EA,PC,CL,CC,SI,VP,CA,OM,NP,OT)	EA	EA	BR	CC	CC	BR	BR	EA	BR	BR
Bank modification(s) (NE,NO,RS,RI,RP,CM,DA)	NO	NO	RI	RI	RP	RI	RI	NO	RI	RI
Bank feature(s) (NV,PO,EC,SC,FP,VP,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL UNEW substrate/shape codes (Use Grid Ref. for unusual shapes/materials)										
Channel substrate* (BE,BO,CO,CP,SA,B,CL,PE,AR)	SI	GP	AR	AC	SI	CL	GP	SI	GP	GP
Substrate shape (FL,CH,RU,UN,CU,SU,DA,FO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type* (FF,CH,RP,UW,CU,SU,UP,SW,PP,NO)	SM	UP	SM	SM	SM	SM	RP	RP	RP	RP
Channel modification(s) (NE,NO,CV,RS,RI,DA,FO)	NO	NO	RI	RI	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV,PO,BO,MB,VB,AR,TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material* (BE,BO,CO,CS,EA,PC,CL,CC,SI,VP,CA,OM,NP,OT)	EA	EA	BR	CC	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,RP,CM,DA)	NO	NO	RI	RI	NO	NO	NO	NO	NO	NO
Bank feature(s) (NV,PO,EC,SC,FP,VP,SB,VS)	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from HE, CP, OL, HR, RC, TH, RF, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP (structure within 1m) BANK	U	C	B	B	B	S	U	U	U	U
LEFT BANK FACE (structure) BANK	U	B	B	B	B	B	B	U	U	B
RIGHT BANK FACE (structure) BANK	U	U	B	B	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BANK	S	S	B	B	U	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	SU	SU	SU	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (10m wide transect OR 5% area) or tick (present) 50m each end →

NONE / PLANT GENERA - list first 5			✓							
Bryophytes/lichens										
Emerg broad-leaved herbs	✓					✓				
Emerg reeds/sedges/rushes		✓		✓		✓	✓			
Floating leaved (rooted)										
Free-floating										
Amphibious	✓	✓				✓				
Submerged broad-leaved										
Submerg fine/linear-leaved		✓				E				
Filamentous algae	✓			✓	✓	✓	✓	✓	✓	✓

SITE NO. 5816 1996 RIVER HABITAT SURVEY (500m SWEEP UP & DOWNSTREAM OF SURVEY POINT)

H SURROUNDING LAND USE (20m wide corridor) (tick all that occur)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	E	E

I CHANNEL TYPE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank	E	✓
Sheep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set back embankments		

J VEGETATION TYPE, TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at a straight and representative section, preferably across a riffle)

LEFT BANK				RIGHT BANK	
Bankop width (m)		Bankop width (m)	1.5	Bankop width (m)	
Bankop height (m)	0.6	Water width (m)	1.0	Bankop height (m)	0.6
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

M STRUCTURAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q SHORT-LIVED NUISANCE PLANT SPECIES (tick appropriate box(es)) (NB: does not include LARGE STANDS of trees)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

R OVERALL RIVER CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS (tick appropriate box(es))

Alders* None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6820

Mid-tier grid reference of network site if different from designated location:

Grid Reference: River:

Date 2.1.11996 Time: 10 25 Surveyor name NNicholson Accreditation code. PF664

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

- ✓ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add "U")*
- ○ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

SUBSTRATE/FLOW/SIDE/DEPTH

Riffles 0 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
AWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

BIOLOGICAL SURVEY

Tally (use ||||) for - Riffles | Pools |||| Unveg. side bars Veg point bars

BIOLOGICAL ATTRIBUTES

Spot check (✓) specimen ✓ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SECTION										
Material	CA	CA	CA	CA	CA	CA	CA	SA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SECTION										
Channel substrate	GP	SA	SI	SI	SI	SI	GP	GP	GP	SI
Substrate shape	NA	NA	NA	NA	NA	NA	OV	OV	NV	NV
Flow type	NP	NP	NP	RP	AP	NP	RP	SM	FM	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SECTION										
Material	CA	SA	SA	SA	CA	SA	CA	SA		
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION

Land use: choose one from AL, CP, OA, WH, RC, TH, OP, IG, IL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	AL	TH	SL	RC	BL	BL	RL	SL	TL	TL
LEFT BANK-TOP *(structure within 1m)* STRUC	-	S	S	S	S	S	S	S	U	U
LEFT BANK FACE *(structure)* STRUC	S	S	S	U	U	S	S	S	U	S
RIGHT BANK FACE *(structure)* STRUC	S	-	-	U	U	S	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* STRUC	S	S	S	U	U	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	TH	TH	TL	BL	BL	TL	TL

VEGETATION

NONE / PLANT GENERA - list first 5				✓	✓	✓	✓	✓		
Bryophytes/lichens										
Emerg broad-leaved herbs	✓								E	E
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓							✓
Submerg fine/linear-leaved										
Filamentous algae	✓									✓

SURVEY NO. 6820

SUBSTRATE/FLOW/SIDE/DEPTH

	L	R		L	R
Bedrock/exposed weathered (BL)			Rough pasture (RP)		
Cobbles/gravel/pebbles (CP)			Improved/semi improved grass (IG)	E	
Sand (OA)			Tilled land (TL)	✓	E
Mud/marl/chalk (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Trees/large vascular vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Reinforced		
V < 45°			Reinforced - whole bank		
S > 45°	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	✓
Continuous	✓	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	○	✓	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	✓	○	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	✓	○	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	✓	○	○	Vegetated mid channel bar(s)	✓	○	○
Pool(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	✓	○	Unvegetated side bar(s)	○	✓	○
Chute(s)	○	○	✓	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence: *(select up to three features)*: (...) first

WARTABILITY SURVEY DIMENSIONS AND INCIDENCE

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	7.0	RIGHT BANK	
Bankop height (m)	0.5	Water width (m)	1.5	Bankop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.15	Embanked height (m)	/

If trampling lower than bankop break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ○ run or glide ○ other ✓ *(tick one box)*

MAN-MADE FEATURES

None ○ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Other = 0

Is water impounded by weirs/dam? No ✓ Yes, <33% of site ○ >33% of site ○

MAN-MADE MODIFICATIONS

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Embankment ○ Other ? Stone .....

CHANNEL FEATURES

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (name)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ✓ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

FLOOD PLAIN

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

SOME NOTABLE SPECIES

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nordic Rhododendron bracteatum

OTHER OBSERVATIONS

Major impacts: landfill - dipping - litter - sewage - pollution - dynamite - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip (headland) - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: / NAD

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

A BACKGROUND CATCHMENT INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6826

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 4/7/1996 Time: 16:00 Surveyor name: [illegible] Accreditation code: 764

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* NO FLOW

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C CHANNEL AND VALLEY CROSS-PROFILE

☐ shallow vee
☐ deep vee
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D CHANNEL DIMENSIONS AND FLOW

Riffles 0 | Unvegetated point bars 0
Pools 0 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: DOMINANCE OF CHANNEL FEATURES

TALLY (use [illegible]) for - Riffles | Pools | Unveg. side bars | Veg point bars

HYDROMORPHOLOGICAL ATTRIBUTES

Spot check 1 to upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES										
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate	SI	G	SI	SA	SI	SI	SI	GP	CL	G
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OV	N/A	N/A
Flow type	NO	NO	NO	NO	--	NO	NO	NO	NO	NO
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES										
Material	GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION (within 50m of bankside)

Land use: choose one from AR, CP, OR, WH, SC, IN, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	U	TH	G	TI	CC	TI	TH	TH	TI
LEFT BANK-TOP (structure within 1m)	-	U	-	-	-	S	U	U	U	U
LEFT BANK FACE (structure)	-	U	U	U	-	U	U	U	U	-
RIGHT BANK FACE (structure)	-	-	U	U	U	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m)	S	-	S	S	-	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	SC	SC	TH	SC	TH	TH	TH	TH

BANKSIDE VEGETATION

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens										
Emerg broad-leaved herbs (Rumex Sparganium)		✓	✓	✓	E	E	E	E	E	E
Emerg reeds/sedges/rushes		E	E	E		E	E	E	E	E
Floating-leaved (moss)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/fleaver-leaved										
Filamentous algae										

SITE NO. 6826

RIVER HABITAT SURVEY: DOMINANCE OF CHANNEL FEATURES

CHANNEL DIMENSIONS AND FLOW

LEFT BANK				RIGHT BANK
Bankop height (m)	0.7	Bankop width (m)	4.5	Bankop height (m) 0.9
Embanked height (m)	/	Water width (m)	3.2	Embanked height (m) /
		Water depth (m)	0	

If trashlines lower than bankop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: unconsolidated (complete) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' weed vegetation (TH)	E	E	Suburban/urban development (SU)	✓	✓

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

RIVER HABITAT SURVEY: CHANNEL MODIFICATIONS AND ENGINEERING

BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

RIVER HABITAT SURVEY: CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): No flow

RIVER HABITAT SURVEY: ARTIFICIAL FEATURES

	None	Present	E		None	Present	E
Weir	☑	☐	☐	Bridge	☐	☐	☐
Waterfall > 5m high	☐	☐	☐	Bridge/aqueduct/culvert	☐	☐	☐
Bridge/aqueduct channels	☐	☐	☐	Ford	☐	☐	☐
Debris dams	☐	☐	☐	Flood embankment	☐	☐	☐
Leafy debris	☐	☐	☐	Flood bank	☐	☐	☐

	None	Present	
Weirlet	☑	☐	
Artificial open water	☐	☐	
Natural open water	☐	☐	
Water meadow	☐	☐	
Fen	☐	☐	
Bog	☐	☐	Other (state)
Carr	☐	☐	
Marsh	☐	☐	
Flush	☐	☐	

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Native: ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Note: Schedule 9 species)

Major impacts: landfill - dipping - litter - sewage - pollution (sewage) obstruction - mill - dam (mill) mill leat/weir - boating - canoeing - quarrying - overdeepening - channelisation - fisheries management - other? -

Land Management: not visible - buffer strip - headland (abandoned land) parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink marten - horses - dragonflies/damselflies

Other significant observations: No [illegible]

	None	Present	Extensive
Aliens	☑	☐	☐
Declared Aliens?	None ☑	Present ☐	Extensive ☐

BAT REPORTING MAP BASE INFORMATION

Distance from source (km)
Height of source (m)
Slope (in km)
Drift geology code
Significant tributary ?
Water Quality Class
Physiographic region
Navigation ?

SURVEY DETAILS

Reference network site number 6831

Mid-site grid reference of network site if different from designated location:

Grid Reference TM 196619 River: DEBEN

Date 18/9/1996 Time: 1345 Surveyor name P Scott Accreditation code PF35

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ✓ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add 'U')
☐ deep vee
✓ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐

IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles
Unvegetated point bars
Pools
Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of

TALLY (use tally marks) Riffles Pools Unwet point bars Veg point bars

1 PHYSICAL ATTRIBUTES (to be assessed across channel width 5m wide transect)

Spot check (1-10, upstream to downstream)	1	2	3	4	5	6	7	8	9	10
2 EXPOSURE OF BANK SUBSTRATES										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	No	No	No	No	No	No	No	No	No	No
Bank feature(s)	No	No	No	No	No	No	No	No	No	No
3 CHANNEL SUBSTRATES										
Channel substrate *	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape	IR	NU	IR	IR	IR	NU	IR	NA	IR	NA
Plan type *	NP	SM	SM	NP	SM	SM	SM	NP	SM	NP
Channel modification(s)	No	No	No	No	No	No	No	No	No	No
Channel feature(s)	No	No	No	No	No	No	No	No	No	No
RIGHT BANK (looking downstream)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	No	No	No	No	No	No	No	No	No	No
Bank feature(s)	No	No	No	No	No	No	No	No	No	No
4 BANKTOP AND LAND USE AND VEGETATION STRUCTURE (for 5m either side of transect)										
Land use: choose one from AR, CP, OR, HH, IC, TH, RP, RG, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	RP	RP	RP	RP	RP	TH	BL	BL
LEFT BANK-TOP (structure within 1m) SU/UC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) SU/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) SU/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) SU/UC	S	S	S	S	C	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	SC	SC	SC	SC	IR	IR	IR	IR	IR
5 LAND VEGETATION COVER (for 5m either side of transect)										
NONE / PLANT GENERA - list first 5	/									
Bryophytes/lichens										
Emerg broad-leaved herbs		/	/	/	/	E	E	/	/	/
Emerg reeds/sedges/rushes			/							E
Floating-leaved (rooted)										/
Free-floating		/	/	/	/	/	/	/	/	/
Amphibious										
Submerged broad-leaved				/						
Submerg fine/linear-leaved										
Filamentous algae								/		E

1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of

LAND USE WITHIN 50m OF BANKTOP (tick EVERY box that applies)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Herbs / giant vegetation (TH)	/	✓	Suburban/urban development (SU)		

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reactioned		
Near vert + toe			Reinforced - whole bank		
Low (<45°)	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		/
			Embanked		
			Set back embankment		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	☐	☐
Backwater(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

The predominant flow sequence (select up to three features)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of

1 CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.70	Banktop width (m)	6.50	Banktop height (m) 1.0
Embanked height (m)		Water width (m)	3.10	Embanked height (m)
		Water depth (m)	0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ (tick one box)

2 ANTHROPOGENIC FEATURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

3 EVIDENCE OF RECENT MANAGEMENT ACTIVITY (tick appropriate box(es))

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

4 FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None	✓				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

5 CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

6 NOTABLE INFLUENCE PLANT SPECIES (tick appropriate box(es)) Native Non-Native Stands Scattered

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nerdia Rhododendron bracken

7 OTHER INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron (dragonflies/damselflies)

Other significant observations

8 ALDERS (tick appropriate box(es))

Alders? None ✓ Present ☐ Extensive ☐ Downed Alders? None ✓ Present ☐ Extensive ☐

MAP/GRID/HABITAT BASED INFORMATION

Altitude (m) | Slope (inclination) | Flow conditions (if known)
Distance from source (km) | Drift geology type | Channelisation / dredging
Height of source (m) | Significant tributary | Representativeness
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number 6837

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 297675 River: ALDE

Date 18/9/1996 Time: 16.20 Surveyor name P Kadett Accreditation code: PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state . .

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☑ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES/POOLS AND CONTINUOUS (tick each total number)

Riffles	Unvegetated point bars
Pools 5	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E PHYSICAL ATTRIBUTES (tick for assessed across channel width if 5m wide or greater)

Spot check no. upstream (1) downstream	1	2	3	4	5	6	7	8	9	10	
LEFT BANK (Code for Material, Bank modification(s), Bank feature(s))											
Material *see BE,BO,CO,CE,SA,PE,CL,CC,SI,VP,GL,OW,SU,O*	ER	ER	ER	ER	ER	ER	ER	ER	ER	ER	ER
Bank modification(s) *see BO,RS,SI,PC,BM,EM*	N	N	N	No	No	No	No	No	N	N	N
Bank feature(s) *see BO,EC,SC,FB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No	No
CHANNEL (Code for Channel substrate, Substrate shape, Flow type, Channel modification(s), Channel feature(s))											
Channel substrate * *see BE,BO,CO,GP,SA,SI,CL,PL,AA*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,CV,EL,SV,CU,FO,BL,Others - none*	NA	NV	NV	NV	NV	IR	NV	IR	NV	NV	NV
Flow type * *FT,CH,RW,UW,CT,SF,OF,SM,NP,NO*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *see NO,CV,RS,SI,DA,FO*	No	No	No	No	No	No	No	No	No	No	No
Channel feature(s) *see NO,BO,MB,WB,WI,TR*	No	No	No	No	No	No	No	No	No	No	No
RIGHT BANK (Code for Material, Bank modification(s), Bank feature(s))											
Material *See BE,BO,CO,CE,LA,PE,CL,CC,SI,VP,GL,MA,SB,SW*	ER	ER	ER	ER	LA	LA	LA	LA	ER	ER	ER
Bank modification(s) *see NE,NO,RS,SH,PC,BM,EM*	No	No	No	No	No	No	No	PC	No	No	No
Bank feature(s) *see NO,EC,SC,FB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No	No

F BANKTOP LAND USE AND VEGETATION ATTRIBUTES (tick one box per column)

Land use: choose one from *BL, CP, OR, MH, RC, TH, RP, IG, TL, WL, OW, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	I	I	I	IG	I	I	RP	SC	IG	TL
LEFT BANK-TOP (structure within 1m) *BA/BC*	S	S	S	U	U	S	U	S	U	S
LEFT BANK FACE (structure) *BA/BC*	S	S	U	U	S	S	U	S	S	S
RIGHT BANK FACE (structure) *BA/BC*	S	U	S	S	U	U	S	R	S	S
RIGHT BANK-TOP (structure within 1m) *BA/BC*	S	U	U	U	U	RS	U	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	I	I	I	IG	I	I	I	I	I	BL

G PLANT INFORMATION (tick one box per column)

NONE / PLANT GENERA - list first 5							/			
Bryophytes/lichens										
Emerg broad-leaved herbs	/	E	E	E	E	E	/		E	/
Emerg reeds/sedges/rushes			/	/	/	/				
Floating leaved (rooted)										
Free-floating						/	/		/	E
Amphibious										
Submergent broad leaved										
Submerg fine/linear leaved										
Filamentous algae	/					/	/		/	

SITE NO 6837 1996 RIVER HABITAT SURVEY 500m SWEEP FOR SHEET 3 OF 4

H LAND USE WITHIN 50m OF BANKTOP (tick 1/3 bank width or 1ha if present)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	✓	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* - weed vegetation (TH)	✓		Suburban/urban development (SU)		

I BANK CHARACTER (tick one box per column)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Steep (>45°)	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K POINT FEATURES AND EVIDENCE

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid channel bar(s)	☐	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features):

SITE NO 6837 1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES SHEET 4 OF 4

L CHANNEL DIMENSIONS (to be completed at one cross-section, preferably across a riffle)

LEFT BANK			RIGHT BANK
Banktop width (m)		7.0	Banktop width (m)
Banktop height (m)	1.40	Water width (m)	1.0	Banktop height (m)
Embanked height (m)		Water depth (m)	0.2-0.5	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width(m) = .

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ (tick one box)

M ARTIFICIALISATIONS (tick one box per column)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other = 1, M

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick one box per column)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . .

O FEATURES OF APPARENT INTEREST (tick one box per column)

None	☐			
Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state)
Braided/side channels	☐	Natural open water	☑	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q NOTABLE PLANT SPECIES (tick one box per column)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron

R OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside buffer strip - headland - abandoned land - parkland - MoD other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud marks - heron - dragonflies/damselflies

Other significant observations

S WOODLAND (tick one box per column)

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6833

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Yox

Date 6/7/1996 Time: 11 30 Surveyor name NWatson Accreditation code. PH64

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

LIFE - VALLEY FORM (Sketch cross-section only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | LIFE - VALLEY FORM NOTES:

CHANNEL CROSS-SECTION FEATURES

Riffles 4 Unvegetated point bars 0

Pools 2 Vegetated point bars 3

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: DOMINANT ATTRIBUTES

TALLY (use DAF) for - Riffles | Pools | Unveg. side bars | Veg. point bars

Spot check 1 m upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
BANK MATERIALS										
Material *	SA	SA	SA	CA	SA	SA	SA	SA	SA	SA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	VS	NO	NO	NO	VS
CHANNEL										
Channel substrates *	SI	SI	SA	SA	SA	GP	GP	GP	SI	SA
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	IR	IR	N/A	N/A
Flow type *	NP	SM	SM	SM	SM	RF	SM	RF	NF	SM
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK FACE (structures)										
Material *	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	VP	NO	NO	NO
LAND COVER AND VEGETATION STRUCTURE (within 5m)										
Land use: choose one from IA, CP, OR, WH, IC, TR, RP, IO, IL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IC	TC	BC	TH	KL	TL	TC	TL	BC	BC
LEFT BANK-TOP (structure within 1m) MMMC	U	U	S	U	S	U	U	U	S	S
LEFT BANK FACE (structure) MMMC	S	U	U	S	U	S	U	U	S	S
RIGHT BANK FACE (structure) MMMC	U	U	U	U	U	S	U	U	S	S
RIGHT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IC	IC	TH	IC	IC	IC	TL	TL	TL	BC
VEGETATION TYPES (within 5m of bankside)										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	E	✓	✓	E	✓	E		E
Emerg reed/sedge/rushes			✓	✓	✓	E	✓			✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		S	E	J	S	✓	✓			✓

No. 6833

RIVER HABITAT SURVEY: CHANNEL SURVEY

	L	R		L	R
Permanent/natural waterfowl (BL)	✓	✓	Rough pasture (RP)		
Improved/semi-improved grass (IG)	✓	E			
Tilled land (TL)	E	E			
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)					
Suburban/urban development (SU)					

Natural/unmodified	L	R	Artificial/modified	L	R
Resectioned					
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Poached					
Embanked					
Set back embankments					

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Lightly spaced, single	☐	☐
Occasional clumps	☐	☑
Almost continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E
Marshy(s)	☑	☐	☐
Riparian(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Pool(s)	☑	☐	☐
Run(s)	☑	☐	☐
Bed(s)	☐	☐	☑
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

Predominant flow sequence *(select up to three features)*: Rif - Run - Pool

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.5	Banktop width (m)	6.0	Banktop height (m)
Embanked height (m)		Water width (m)	4.0	Embanked height (m)
		Water depth (m)	0.05	

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (mobile) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL

None ☐ Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Footbridges = 1 Roadbridges = 0 Other = 0
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State .....

ENHANCEMENT

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (list) Mostly Rhododendron bushes

PHYSICAL MODIFICATIONS

Major impacts: bunds - dipping - fence - storage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (sluice) - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (dragonflies/damselflies)

Other significant observations

ADJACENT LAND USE

Adders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

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A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Floodplain category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number 6834

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 412 688 River: Dunsmere River

Date: 18/9/1996 Time: 18.40 Surveyor name: P. Tidwell Accreditation code: PF 33

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box/half)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IE DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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1996 RIVER HABITAT SURVEY: IN SPOT-CHECKS

TALLY (use DAY) for Riffles Pools Using tape bars Veg point bars

II PHYSICAL ATTRIBUTES *(to be assessed across channel (2-10m wide transect) * = one entry only)*

Spot check 1 m² upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LOCATION OF SPOT-CHECKS (Continued Overleaf)										
Material * *MM,BE,BO,CO,CB,SA,PC,CL,CC,SI,MP,GA,MA,BA,W*	CL	EA	EA	EA	CL	CL	EA	EA	CL	CL
Bank modification(s) *NE,MO,RS,RI,PC,MA,EM*	NJ	NJ	NO	NJ	NJ	NJ	NJ	NJ	NJ	NJ
Bank feature(s) *MM,MO,LC,SC,PB,VT,SB,VE*	NJ	NO	NO	NJ	NJ	NO	NJ	NJ	NJ	NJ
CHANNEL (Continued Overleaf)										
Channel substrate * *MM,BE,BO,CO,CB,SA,PC,CL,MP,CLAY*	SA	NJ	SI	SI	SA	SA	NJ	SI	SI	SI
Substrate shape *FL,CV,CO,SP,CU,NO,OL,Other - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,GN,RW,UW,CF,BF,UF,SM,MP,NO*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NJ	NJ	NJ	NJ	NJ	NO	NJ	NJ	NJ	NJ
Channel feature(s) *MM,BO,BD,MB,VB,MC,TR*	NJ	NJ	NO	NJ	NJ	NO	NJ	NJ	NJ	NJ
RIGHT BANK (Continued Overleaf)										
Material * *BE,BO,CO,CB,SA,PC,CL,CC,SI,MP,GA,MA,BA,W*	EA	EA	EA	EA	EA	EA	CL	EA	CL	CL
Bank modification(s) *NE,NO,RS,RI,PC,MA,EM*	NJ	NJ	NJ	NJ	NO	NJ	NJ	NJ	NJ	NJ
Bank feature(s) *MM,MO,LC,SC,PB,VT,SB,VE*	NJ	NJ	NO	NJ	NO	NO	NJ	NJ	NJ	NJ

III BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, RC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BRIDGE	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* BRIDGE	S	S	S	S	S	S	S	U	S	S
RIGHT BANK FACE *(structure)* BRIDGE	S	S	S	U	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BRIDGE	S	S	S	S	S	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	IG	IG

IV BANKTOP AND IN-CHANNEL VEGETATION *(Overleaf) (to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5					/	/				
Bryophytes/lichens				/						
Emerg broad-leaved herbs							E		/	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating	/	/					/	/	/	
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		/	/	/			/			

SITE NO 5234 | 1996 RIVER HABITAT SURVEY: SWEEP-UP | Page 3 of 4

III LAND USE WITHIN 5m OF BANKTOP *(Overleaf) (tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' semi vegetation *(TH)*	/		Suburban/urban development *(SU)*		

IV BANK AND CHANNEL MODIFICATIONS *(Overleaf)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		
Sheep (>45°)	/	/	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

V EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

VI OCCURRENCE OF FEATURES *(Overleaf)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle, run, glide

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VII CHANNEL DIMENSIONS *(Overleaf) (to be measured at one site on a straight, uniform section, preferably across a ...)*

LEFT BANK		Banktop width (m)	4.30	RIGHT BANK
Banktop height (m)	0.50	Water width (m)	4.10	Banktop height (m)
Embanked height (m)		Water depth (m)	0.53	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

VIII ARTIFICIAL FEATURES *(Overleaf) (tick all that apply)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☑

IX EVIDENCE OF RECENT MANAGEMENT *(Overleaf) (tick all that apply)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

X FEATURES OF SPECIAL INTEREST *(Overleaf) (tick all that apply)*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

XI CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

XII EXTENT OF INVASIVE PLANT SPECIES *(Overleaf) (tick all that apply)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron

XIII ENVIRONMENTAL QUALITY *(Overleaf)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Upstream section overgrazed by ... with bare soil/trampled banks. Clumps of ... on ... bank. Some ... on ... bank. Occasional ... on ... bank.

XIV ALDER *(Overleaf)*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6835

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: FFYNNON DDEWI

Date 4/6/1996 Time: 1620 Surveyor name G. COLLETT Accreditation code: PF10

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 12 | Unvegetated point bars
Pools 3 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use ||||) for: Riffles | Pools | Usetg side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 4 bankfull widths upstream of each tally mark)*

Spot check 1 is upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	→	→	→	→	→	→	→	→	→	→
Material (MU,BE,BO,CO,CS,EA,PE,CL,CC,SP,MP,CA,OR,SI,OM)	EA	BE	EA	BE	EA	EA	CO	CO	BE	CO
Bank modifications(s) (ME,NO,RS,RI,PC,BM,ED)	NO	—								→
Bank feature(s) (MV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	SB	SC	NO	NO	NO	SC	NO	NO
CHANNEL NEW (Substrate/shape tick one)	Dominant substrate (tick one) / Subdominant substrate (tick one) / Channel type (tick one) / Other features (tick all that apply)									
Channel substrate (MU,BE,BO,CO,CF,SA,SI,CL,PE,AR)	BE				→	BE	BE	BO	FF	BE
Substrate shape (FL,OV,EL,SP,CU,FO,IR,Other - use)	NO						→	IR	NA	NA
Flow type (FF,CH,RW,UW,CF,RP,UP,SM,NP,NO)	SM	CH	SM	UW	R	P	RP	CH	UW	RI
Channel modification(s) (ME,NO,CV,RS,RI,DA,FO)	NO									CH FF
Channel feature(s) (MV,NO,BO,MB,VB,MI,TR)	NO									MI
RIGHT BANK TICK if functional fence										
Material (MU,BE,BO,CO,CS,EA,PE,CL,CC,SP,MP,CA,OR,SI,OM)	EA	EA	CO	EA	CO	BE	CO	EA	EA	BE
Bank modifications(s) (ME,NO,RS,RI,PC,BM,ED)	NO	NO	NO	PC	PC	NO	—			→
Bank feature(s) (MV,NO,EC,SC,PB,VP,SB,VS)	SC	SC	NO	NO	NO	NO	SC	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MR, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	RC				→
LEFT BANK TOP (structure within 1m) MU/SC	C									→
LEFT BANK FACE (structure) MU/SC	C	S	U	S						→
RIGHT BANK FACE (structure) MU/SC	B	S	B	B	B	U	S			→
RIGHT BANK TOP (structure within 1m) MU/SC	S	S	S	U	U	S	U	S		→
LAND USE WITHIN 5m OF BANK TOP (R)	IG									→

G CHANNEL VEGETATION TYPES *(Tick one box per transect (2-3 in total) or tick 'present' 2000)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓		✓		E		✓	✓	
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			✓		E		✓			

6835

SITE NO. 6835 | 1996 RIVER HABITAT SURVEY: 500m SWEEP UP | Page 3 of 4

M SURROUNDING WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		✓
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

N BANK MATERIAL AND MODIFICATIONS *(tick all that apply)*

Material/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	E	Revetmented		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

O EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging bought	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Course woody debris	☐	✓	☐

P EXTENT OF CHANNEL FEATURES *(tick one box per feature)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	✓	☐	Marginal deadwater	✓	☐	☐
Cascades(s)	☐	✓	☐	Exposed bedrock	☐	☐	✓
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	☐	✓	Unvegetated mid channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (*select up to three features*): RIFFLE POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of

J CHANNEL DIMENSIONS *(to be measured at least once in a level or uniform section, preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	5.0	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	3.0	*Embanked height (m)*	
		Water depth (m)	0.4		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES *(within channel and on banktop)*

None ✓ | Number of: Cul-verts = Footbridges = | Weirs = Roadbridges = | Outfalls = Other = | Fords =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ | Dredging ☐ | Mowing ☐ | Weed-cutting ☐
Enhancement ☐ | Other ? State .....

Q FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state) .....
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick ☐ or E (≥ 33% bank(s) affected) IFE note LARGE STANDS of others eg*

None ✓ | Giant Hogweed ☐ | Himalayan Balsam ☐ | Japanese Knotweed ☐ | Other? Nettle Rhododendron bracken

R COVER ATTRIBUTES *(Tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = ADJACENT PASTURE

Animals: otter mink water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: STEEP, WITH SEMI-CONTINUOUS RIFFLE

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ | Diseased Alders? None ✓ Present ☐ Extensive ☐

BACKGROUND MAP/SIDE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SITE LOCATION/DETAILS

Reference network site number 6836

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: FENOG

Date 4/6/1996 Time: 1145 am Surveyor name: Lauffer Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state ...

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ✓ (tick as appropriate)

DOMINANT VALLEY FORM (tick one box)

○ shallow vee
○ concave/bowl (If U-shaped glacial valley - add 'U')
✓ deep vee
○ symmetrical floodplain
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

SUBSTRATE/FEATURES/FLOW TYPES

Riffle 16 Unvegetated point bars |
Pools 1 Vegetated point bars ○

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
RYSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BE	TO	EA	EA	BO	EA	EA	EA	EA	EA
Bank modification(s)	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SB	NO	EC	EC	PB	NO	SB
CHANNEL										
Channel substrate	CO	CO	BO	CO	CO	CO	CO	CO	CO	GP
Substrate shape	IR	FL	IR	FL	FL	FL	FL	IR	FL	NA
Flow type	UW	UW	CH	UW	UW	BW	BW	RF	FP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	RO	RO	RO	NO	RO	RO
RIGHT BANK										
Material	CO	EA	BE	EA	EA	EA	EA	BE	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	SB	EC	NO	EC	SB

PLANT/LAND USE AND VEGETATION STRUCTURE

Land use classes are from BL, CP, DE, WH, SC, IN, AP, IC, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	CP	CP
LEFT BANK TOP (structure within 1m)	S/U/C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure)	S/U/C	C	C	C	C	S	S	S	U	C	S
RIGHT BANK FACE (structure)	S/U/C	C	C	C	C	S	C	C	S	B	S
RIGHT BANK TOP (structure within 1m)	S/U/C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)		BL	BL	BL	BL	BL	BL	BL	BL	BL

PLANT SPECIES COMPOSITION

NONE / PLANT GENERA - list first 5										
Emergent broad-leaved herbs	/	/	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reed/sedge/rushes	/		/		/					/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)	✓		Improved/semi-improved grass (IG)		
Arable (OR)			Tilled land (TL)		
Scrub/heath (SOT)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/rank vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recectioned		
1 - 30°	✓	✓	Reinforced - whole bank		
>45°	E	E	Reinforced - top only		
	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment(s)		

MANAGEMENT OF RIPARIAN/ADJACENT FEATURES

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Near continuous	○	○
Continuous	✓	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 11%)
Shading of channel	○	○	✓
Overhanging boughs	○	○	✓
Exposed bankside roots	○	✓	○
Underwater tree roots	✓	○	○
Fallen trees	○	○	✓
Coarse woody debris	○	✓	○

	None	Present	E (≥ 11%)
Marginal deadwater(s)	○	✓	○
Exposed bedrock(s)	○	○	✓
Exposed boulders(s)	○	○	✓
Unvegetated mid channel bar(s)	✓	✓	○
Vegetated mid channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	✓
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): (Glide) RIFFLE ...

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull width (m)		Bankfull width (m)	3.5		
Banktop height (m)	0.6	Water width (m)	3.2	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If bankface lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ (tick one box)

CONTROLLING FEATURES

None ✓ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

ENGINEERING/MAINTENANCE

None ✓ Dredging ○ Mowing ○ Weed cutting ○ Enhancement ○ Other ? State ...

FEATURES OF RIPARIAN/ADJACENT AREA

None	○				
Waterfalls > 5m high	○	Artificial open water	○	Bog	○
Braided/side channels	○	Natural open water	○	Carr	✓
Debris dams	✓	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Fluvs	○

Other (state)

CROSS CHANNEL

Is 11% or more of the channel choked with vegetation? NO ✓ YES ○

BANKSIDE VEGETATION

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nordic Rhododendron bracteatum

MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? -

Animals: otter mink water vole kingfisher dipper - grey wagtail - sand martin heron - deer/muntjac/waterfowl

Other significant observations: Very wet - boggy bank - wet fields, walk ... It's ... & path flo...

BANKSIDE TREES

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

BACKGROUND AND MAP INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

RIVER HABITAT SURVEY FIELD SHEET

Reference network site number: 6837

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ2803 River: Gramell

Date: 4.6.1996 Time: 1.45 pm Surveyor name: Lauttrain Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ✓ (tick as appropriate)

PREDOMINANT VALLEY FORM

○ shallow vee
○ concave/bowl (If U-shaped glacial valley - add "U")
○ deep vee
○ symmetrical floodplain
○ gorge
✓ asymmetrical floodplain

Terraced valley floor? No ○ Yes ✓ | IFE - VALLEY FORM NOTES:

SUBSTRATE AND FLOW

Riffles 14 Unvegetated point bars 5
Pools 2 Vegetated point bars 2

ALL COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM BH20 6BB

RIVER HABITAT SURVEY DIMENSIONS AND MANAGEMENT

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.8	Bankop width (m)	10.0	Bankop height (m)	0.8
Embanked height (m)		Water width (m)	4.5	Embanked height (m)	
		Water depth (m)	0.15		

If trapezium, lower than bankop break in slope, estimate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement at: riffle ✓ run or glide ○ other ○ (tick one box)

RIVER HABITAT SURVEY FIELD SHEET

Site No 6837

CHANNEL MODIFICATIONS

None ✓ Number of: Culverts = Footbridges = Weirs = Bridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

RIVER HABITAT SURVEY DIMENSIONS AND MANAGEMENT

RECENT CHANNEL MANAGEMENT

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

FEATURES OF ARCHAEOLOGICAL INTEREST

None ○
Waterfalls > 1m high ○
Braided/relic channels ○
Oxbow dams ○
Leafy debris ✓
Artificial open water ○
Natural open water ✓
Water meadow ○
Fen ○
Bog ○
Carr ✓
Marsh ○
Fleets ○
Other (state)

CHANNEL CHANGE

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

ADJACENT LAND USE

None ✓ Quasi Natural ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bracken

RIVER HABITAT SURVEY FIELD SHEET

LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MaD - other? -

Animals: ants dead swan rats mayflies dippers grey wagtail sand martins heron dragonflies/damselflies

Other significant observations: Terrestrial plants (Typha) Algal deposition (Cladophora) Epiphytes (Lemna)

RIVER HABITAT SURVEY FIELD SHEET

BANK AND FLOODPLAIN FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (SG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MM)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/reed vegetation (TH)	✓	✓	Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Undercut			Artificial two-stage		
			Pitched	✓	✓
			Embanked		
			Set back embankment		

AMOUNT OF TREE AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	✓	✓
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed floodside roots	✓	○	○
Undercut tree roots	✓	○	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	○	○	Marginal deadwood	○	✓	○
Cascades(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	○	✓	Unvegetated mid-channel bar(s)	○	✓	○
Run(s)	○	✓	○	Vegetated mid-channel bar(s)	○	✓	○
Bank(s)		✓	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	○	✓	○
Pool(s)	○	✓	○	Vegetated side bar(s)	○	✓	○

Indicate predominant flow sequence (select up to three features): RIFFLE - POOL - GLIDE

RIVER HABITAT SURVEY FIELD SHEET

CHANNEL AND BANK FEATURES

Added? None ○ Present ✓ Extensive ○ Diversion added? None ✓ Present ○ Extensive ○

BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6838

Mid-site grid reference of network site if different from designated location:

Grid Reference: 629511 River: CYNWEDD

Date 4/6/1996 Time: 5.30 pm Surveyor name Ian Harris Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☑ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND CONTRIVANCES

Riffles 5 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

COMPLETED FORMS WEEDLT plus all water samples and expenses claims TO
CWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SUMMARY SHEET 1 of 2

SITE NO: 6838 DATE: 4/6/1996

PHYSICAL ATTRIBUTES (for altered sections, complete for both natural and altered features)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK STRUCTURE (Top to Bottom)										
Material	BO	EA	BO	3D	BE	BE	PE	EA	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	SB	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	CO	BO	CO	BE	CO	CO	CO	CO	BE
Substrate shape	IR	IR	IR	IR	/	IR	IR	IR	IR	/
Flow type	RP	UW	FF	BW	RP	UW	SM	UW	RP	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	NO	RO	NO	RO	NO	NO
RIGHT BANK STRUCTURE (Top to Bottom)										
Material	BO	BO	BO	EA	BE	EA	EA	BO	BO	BO
Bank modification(s)	RI	RI	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from: BL, CP, OR, WH, IC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	IG	IG
LEFT BANK TOP (structure within 1m)	S	S	C	S	S	S	C	C	S	C
LEFT BANK FACE (structure)	S	S	C	S	S	S	C	S	S	B
RIGHT BANK FACE (structure)	C	S	C	S	S	S	S	C	S	S
RIGHT BANK TOP (structure within 1m)	S	C	C	S	S	S	S	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	EL	SU	SU	SU	SU	SU	SU	SU	EL

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	/	/	/	/	/	/	/	/	/	/
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (mixed)										
Free-flowing										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae		/	/	/	/	/		/		

SITE NO 6838 | 1996 RIVER HABITAT SURVEY: 200m SURVEY UNIT SHEET 2 of 2

BANK VEGETATION

	L	R
Broadleaf/mixed woodland (BL)	E	E
Conifer plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)		
Scrub (SC)		
Herbs* / rank vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		E

BANK STRUCTURE

	L	R
Natural/unmodified		
Vertical/undercut		
< 45°	E	E
> 45°	E	E
Profile	E	E
Composite		

	L	R
Artificial/modified		
Reactioned		
Reinforced - whole bank		
Reinforced - top only		✓
Reinforced - toe only		
Artificial two-stage		
Pooched		
Embanked		
Set back embankments		

EXTENT OF FLOODPLAIN ASSOCIATION FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Undercover tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascade(s)	☐	☑	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Pool(s)	☑	☐	☐
Shoal(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☐	☑
Exposed boulders	☐	☐	☑
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): CASCADE - RIFFLE - RAPID

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE SHEET 2 of 2

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	17.0	Banktop height (m)	2.0
Embanked height (m)		Water width (m)	9.2	Embanked height (m)	
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = 0 Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, < 33% of site ☑ > 33% of site ☐

EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State:

FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/wide channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nordic Rhododendron brachycarpum

OVERALL RIVER CORRIDOR SURVEY

Major impacts: landfill · tipping · litter · sewage · pollution · drought · obstruction · mill · dam · road · rail industry · housing · mining · quarrying · overdeepening · afforestation · fisheries management · silting other? ·

Land Management: set-aside · buffer strip · headland · abandoned land · parkland · MoD · other? ·

Animals: otter · mink · water vole · kingfisher · dipper · grey wagtail · mute swan · heron · dragonflies/damselflies

Other significant observations:

OVERHANGING VEGETATION

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP/BASIN INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality/Qual

SURVEY DETAILS

Reference network site number 6839

Mid-site grid reference of network site if different from designated location:

Grid Reference: 774507 River: PYKEPUR FEWR

Date 5/6/1996 Time: 11 am Surveyor name Smithers Accreditation code. PF36

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ○ channel ○ (tick as appropriate)

DOMINANT VALLEY FORM (tick one box only)

○ shallow vee
○ concave/bowl (If U-shaped glacial valley - add 'U')
✓ deep vee
○ symmetrical floodplain
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

CHANNEL DIMENSIONS AND FEATURES

Riffles 9 Unvegetated point bars ○

Pools 1 Vegetated point bars ○

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVPACS III HABITAT SURVEY (LONG SCORE)

Site no. 1 2 3 4 5 6 7 8 9 10

Mineral *	F	F	F	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	?	?	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	?	NO	NO	NO	EC	EC	NC	NO	NO	NO
Channel substrate *	CO	BE	BE	BE	BE	BE	BE	BE	BE	GP
Substrate shape	FL	/	/	/	/	/	/	/	/	FL
Flow type *	UW	SM	BW	PP	RP	UW	SM	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Mineral *	BE	BE	BE	BE	BE	EA	EA	EA	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	SC	NO	NO	EC	NC	NO	NO	NO

RIPARIAN VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, UR, IC, TH, SP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANK	B	B	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANK	B	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	NH	MH	NH	MH

CHANNEL VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	/	/	/	/	/	/	/	/	/	/
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (round)										✓
Free-floating										
Amphibious										
Submerged broad-leaved				✓	✓	✓				
Submerg fine/filamt-leaved										
Filamentous algae		✓	✓	✓	✓	✓	✓	✓	✓	

SITE NO 6839

BANK SIDE FEATURES

	L	R
Broadleaf/mixed woodland (BL)		
Coniferous plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)	E	E
Scrub (SC)		
Tall herbs' and vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)		
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		

Natural/unmodified	L	R
Vertical/undercut	E	E
Vertical + toe		
Sloop (>45°)	E	E
Scalic		
Composite		

Artificial/modified	L	R
Ranchwood		
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Pitched		
Estranged		
Set back embankment(s)		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	✓	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

INSTREAM FEATURES AND SUBSTRATES

	None	Present	E (≥ 33%)
Waterfall(s)	○	✓	○
Cascade(s)	○	✓	○
Rapid(s)	○	✓	○
Riffle(s)	○	✓	○
Run(s)	○	✓	○
Pool(s)	○	✓	○
Chute(s)	○	○	○
Pool(s)	○	✓	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	✓	○
Exposed bedrock	○	○	✓
Exposed boulders	○	○	○
Unvegetated mid-channel bar(s)	✓	○	○
Vegetated mid-channel bar(s)	○	✓	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): RIFFLE RUN

RIVPACS III HABITAT SURVEY (DIMENSIONS AND MARGINAL WIDTHS)

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.9	Bankop width (m)	4.0	Bankop height (m)	1.6
Embanked height (m)		Water width (m)	3.2	Embanked height (m)	
		Water depth (m)	0.2		

If trubbles lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ (tick one box)

MAN-MADE FEATURES

None ○ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No ✓ Yes, <33% of site ○ >33% of site ○

MANAGEMENT

None ○ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

DOMINANT ADJACENT LAND USE

None ✓
Waterfalls > 1m high ○ Artificial open water ○ Bog ○ Other (state)
Bridges/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Fluvk ○

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

BANKSIDE VEGETATION

None ✓ Quant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Notable Rhododendron location

ADJACENT LAND USE

Major land use: built-up - tipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter mink water vole kingfisher - dipper grey wagtail - mud martin - heron dragonflies/damselflies

Other significant observations .....

ARTIFICIALS

Added? None ✓ Present ○ Extensive ○ Diseased Added? None ✓ Present ○ Extensive ○

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number. 6840

Mid-site grid reference of network site if different from designated location:

Grid Reference SN 806565. River: UN-NAMED TRIB TO TYWI.

Date 11/6/1996 Time: 16:45 Surveyor name: N. GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☒ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee — ☐ symmetrical floodplain
☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(record data for 100m)*

Riffles 2 | Unvegetated point bars
Pools 3 | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TINSLOT CHECK

TALLY (use pbf) for - Riffles | Pools ☐ | Unveg. side bars | Veg. point bars

A. METHOD VARIABLES

Spot check 1 in: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *	BE	SA	BE	SA	SA	SA	SA	SA	SA	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	LO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	BE	BO	BE	BE	BO	BO	NV	BE	BE	BE
Substrate shape	NA	CU	NA	NA	IR	NV	NA	NA	NA	NA
Flow type *	SM	BW	RV	SM	UP	BW	SM	CHUT	GP	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	NO	NO	RO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *	BE	EA	BE	BE	BE	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from: BL, CP, OR, HH, IC, IW, EP, IG, IL, WL, OW, TU

LAND USE WITHIN 5m OF BANKTOP (L)	RD	RD	RP	RP	RP	RP	WL	RP	RP	RD
LEFT BANK-TOP *(structure within 1m)* MAN/C	U	U	C	U	S	U	S	U	U	U
LEFT BANK FACE *(structure)* MAN/C	S	C	U	C	S	C	C	S	C	C
RIGHT BANK FACE *(structure)* MAN/C	S	U	B	C	C	S	S	U	S	C
RIGHT BANK-TOP *(structure within 1m)* MAN/C	U	U	S	U	U	U	U	S	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	RD	RP	RP	RD	RP	RP	RD	W	WL	RD

G. PLANT SPECIES LIST *(DAFOR)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes		✓				✓	✓			✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae										

NO. 6840

RIVER HABITAT SURVEY - SIDE SECTIONS

	L	R		L	R
Coniferous woodland (BL)			Rough pasture (RP)	E	E
Broad-leaved woodland (BL)			Improved/semi-improved grass (IG)		
Arable plantation (CP)			Tilled land (TL)		
Orchard (OR)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Moorland/heath (MH)			Open water (OW)		
Scrub (SC)			Suburban/urban development (SU)		
Tall herb/ rank vegetation (TH)					

Natural/unmodified	L	R	Artificial/modified	L	R
Cliff/undercut	✓	✓	Retaining wall		
Slope + toe			Reinforced - whole bank		
Cliff (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Concrete			Artificial two-stage		
			Trapezoidal		
			Embanked		
			Set back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascades(s)	☐	☐	☒
Rapid(s)	☐	☐	☒
Riffle(s)	☐	☒	☐
Run(s)	☐	☒	☐
Boil(s)	☐	☐	☒
Obst(s)	☐	☒	☐
Pool(s)	☐	☒	☐

	None	Present	E (≥ 33%)
Marginal deadwood	☐	☒	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☒	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☒	☐ (GRAVEL BAR)
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☒	☐	☐
Vegetated side bar(s)	☒	☐	☐

The predominant flow sequence *(select up to three features)*: CHUTTE, RAPIDS (POOL)

RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.9	Bankop width (m)	14.0	Bankop height (m)	0.9
Embanked height (m)	—	Water width (m)	12.5	Embanked height (m)	—
		Water depth (m)	0.4		

If trashline lower than bankop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☒ | Number of: Culverts = — Footbridges = — | Weirs = — Roadbridges = — | Outfalls = — Other = — | Fords = —

Is water impounded by weir/dam? No ☒ | Yes, < 33% of site ☐ | > 33% of site ☐

PRESENCE OF RIVER MANAGEMENT

None ☒ | Dredging ☐ | Mowing ☐ | Weed cutting ☐
Embankments ☐ | Other ? Note: .....

FEATURES OF ARTIFICIAL ORIGIN

None ☐
Waterfalls > 5m high ☐ | Artificial open water ☐ | Bog ☐ | Other (note)
Bridges/wide channels ☐ | Natural open water ☐ | Carr ☐
Debris dams ☐ | Water meadow ☐ | Marsh ☐
Leafy debris ☐ | Fen ☐ | Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE PLANTS

None ☒ | Giant Hogweed ☐ | Himalayan Balsam ☐ | Japanese Knotweed ☐ | Other? *Mostly Rhododendron bushes*

FEATURES/IMPACTS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - other? = NPLAND

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = AGRIC

Animals: Signs of: OTTER - mink - water vole - kingfisher - dipper (grey wagtail) - mud marten - heron - dragonflies/damselflies

Other significant observations: [illegible]

ADDITIONAL

Aliens? None ☒ Present ☐ Extensive ☐ | Diseased Aliens? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: Methods for habitat records and codes Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6841

Mid-tile grid reference of network site if different from designated location:

Grid Reference: SW 975554 River:

Date: 21.6.1996 Time: 12:00 Surveyor name: N. GRIEVE Accreditation code: RF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☒ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D CHANNEL TOP RIFFLES, POOLS AND POINT BARS *(estimate total lengths)*

Riffles 10 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: Methods for habitat records and codes Page 2 of 4

E SPOT CHECKS

TALLY (use tally for - Riffle/Pool / Marginal vegetation / Bank vegetation)

PHYSICAL ATTRIBUTES (to be recorded across channel width at the top of bank(s))

Spot check no. (1 = upstream, 10 = downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material * (BE, BO, CO, CL, SA, PL, G, OL, LI, WF, CA, AR, AS, P)	BE	BE	EA	EA	EA	EA	BE	EA	EA	CO
Bank modifications(s) (NE, RO, ES, RP, JBH, EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF, RO, LC, SC, FP, WF, SB, VT)	NO	NO	NO	NO	SB	SB	NO	NO	NO	NO
CHANNEL										
Channel substrate * (BE, BO, CO, CF, SA, B, G, PL, AS)	BE	BE	BE	BE	CO	CP	BE	BE	BE	CO
Substrate shape (R, CP, G, P, CU, FO, B, Other - use)	NA	NA	NA	NA	PO	IR	NA	NA	NA	IR
Flow type * (FT, CH, FP, UW, D, SF, UF, SH, FP, NO)	RP	UW	UW	UW	UW	RP	UW	RP	BW	UW
Channel modifications(s) (NE, NO, CV, RS, RI, DA, I)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (WF, PO, BO, RA, VT, MO, IS)	NO	NO	NO	NO	NO	NO	NO	NO	RO	NO
RIGHT BANK (looking downstream)										
Material * (BE, BO, CO, SI, SA, PL, G, CC, LI, WF, CA, AR, AS, P)	BE	EA	BE	BE	EA	BE	EA	BE	BE	EA
Bank modifications(s) (NE, RO, ES, RP, JBH, EN)	NO	NO	NO	NO	RP	NO	NO	NO	NO	NO
Bank feature(s) (WF, PO, LC, SC, FP, VT, SB, VT)	NO	NO	NO	NO	NO	NO	SB	NO	NO	SB

F BANKTOP LANDUSE AND VEGETATION STRUCTURE (to be recorded over a 10m tile length)

Land use, choose one from: IE, CP, OL, HR, SC, IN, ST, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	IG	BL	BL	IG	BL	BL
LEFT BANK-TOP (structure within 1m) BANK	S	S	S	S	U	S	B	U	S	S
LEFT BANK FACE (structure) BANK	S	C	C	C	C	S	C	C	C	S
RIGHT BANK FACE (structure) BANK	S	C	C	S	S	S	S	U	C	C
RIGHT BANK-TOP (structure within 1m) BANK	U	U	S	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CANOPY AND MARGINAL VEGETATION (to be recorded over a 10m tile length)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens	E	↓	E	↓	↓	↓	↓	↓	↓	↓	E
Emerg broad-leaved herbs Phrag.		↓	↓		↓		↓	↓			
Emerg reeds/sedges/rushes											
Floating leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											↓

SITE NO 6841

1996 RIVER HABITAT SURVEY: Methods for habitat records and codes Page 3 of 4

H LANDUSE (within 50m of bankside)

	L	R		L	R
Broadleaved/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↓	E
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		↓

I BANKTOP AND LAND ASSOCIATED FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetchment		
Vertical + toe			Reinforced - whole bank	↓	↓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		↓
			Embanked		
			Set back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☒
Continuous	☒	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐
Cascade(s)	☐	☒	☐
Rapid(s)	☐	☒	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☒	☐
Bank(s)	☐	☒	☐
Glide(s)	☐	☒	☐
Pool(s)	☒	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☒	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Multiple islands(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (select up to three features): LONG RIFFLE (-GLIDE)

1996 RIVER HABITAT SURVEY: Methods for habitat records and codes Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	7.5	RIGHT BANK
Bankop height (m)	0.75	Water width (m)	6.0	Bankop height (m) 0.6
Embanked height (m)		Water depth (m)	0.7	Embanked height (m)

If trapezium lower than bankop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

L CHANNEL MODIFICATIONS

Mowing ☐ Number of Offtakes = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weirs/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

M BANKSIDE MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N BANKSIDE AND INSTREAM VEGETATION

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bag	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Cart	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☒	Fen	☐	Pond	☐

O BANKSIDE TREES

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

P BANKSIDE TREE SPECIES

None ☒ Grand Fir ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

Q BANKSIDE MANAGEMENT AND CONDITION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - horses - dragonflies/damselflies

Other significant observations: BS dominated channel, mostly long RF

R ARTIFICIAL STRUCTURES

Adjacent? None ☐ Present ☐ Extensive ☐ Downstream Adjacent? None ☒ Present ☐ Extensive ☐

1990 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6842

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 092569 River: CAMNANT BROOK

Date 7/8/1996 Time: 10.35 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☒ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(number typically 0-20)*

Riffles 17 Unvegetated point bars

Pools 13 Vegetated point bars

) COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1990 RIVER HABITAT SURVEY: IN-SPOT CHECKS — Page 2 of 4

TALLY (use 1&5) for: Riffles 17 Pools 13 Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 = upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	PC	PC	NO	NO	NO	NO	PC
Bank feature(s)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	GP	CO	GP	GP	GP	CO	CO	GP	CO
Substrate shape	PO	PO	PO	PO	PO	PO	PO	PO	IR	IR
Flow type	UW	NP	NP	NP	UW	SM	UW	UW	SM	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	RO	NO	NO	NO
RIGHT BANK SPOT CHECK (sectional focus)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	PC	PC	NO	NO	NO	NO	PC
Bank feature(s)	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (1m wide transect)										
Land use: choose one from BL, CF, OR, UR, SC, TH, RP, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	B	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	IG	IG	RP

G. CHANNEL VEGETATION (Plants (>25%) recorded)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓	✓	✓	✓	E	✓	E
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓		✓	✓	✓	✓			✓
Floating leaved (rooted)								✓		✓
Free-floating										
Amphibious	✓	✓	✓	✓				✓		✓
Submerged broad leaved	✓	✓					✓			✓
Submerg fine/linear-leaved	✓		✓		✓			✓		✓
Filamentous algae			✓							✓

E NO. 6842 — 1990 RIVER HABITAT SURVEY: BOAT SWEEP — Page 3 of 4

BANK VEGETATION (Trees (>5m) recorded)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Conifer plantation (CF)			Improved/semi-improved grass (IG)		E
Scrub (SC)	✓		Tilled land (TL)		
Heathland/heath (HE)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Herbs* weed vegetation (TH)			Suburban/urban development (SU)		

BANK PHYSICAL FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Revetment		
Slip + toe			Reinforced - whole bank		
Gentle (<45°)	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched	✓	✓
			Embanked		
			Set back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☒	☐
Isolated/scattered	☐	☒ (1 No.)
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

IN-CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascade(s)	☐	☒	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☒	☐
Bed(s)	☐	☒	☐
Ride(s)	☐	☐	☒
Pool(s)	☐	☐	☒

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☐	☒	☐
Unvegetated mid channel bar(s)	☒	☐	☐
Vegetated mid channel bar(s)	☐	☒	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - POOL

1990 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.4	Banktop width (m)	1.15	Banktop height (m)	0.3
Embanked height (m)	/	Water width (m)	1.0	Embanked height (m)	/
		Water depth (m)	0.05		

If riffle/rapid lower than banktop break in slope, indicate: height (m) = 0.4 width(m) = 1.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. CHANNEL MODIFICATIONS

None ☒ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. BANKSIDE MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State .....

D. EVIDENCE OF BANK EROSION

None ☐ Artificial open water ☐ Bog ☐ Other (state)
Waterfalls > 5m high ☐ Natural open water ☐ Carr ☐
Braided/side channels ☐ Water meadow ☐ Marsh ☐
Debris dams ☐ Fen ☐ Flush ☐
Leafy debris ☐

E. CHOKED CHANNEL (Bankside)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. INVASIVE PLANTS (Bankside)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron (bushes)

G. OVERALL ENVIRONMENTAL QUALITY (Catchment)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - hedgerow - abandoned land - parkland - MoD - other? - GRAZING

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Upland stream, v. good channel morphology

H. FISH (Bankside)

Adders? None ☒ Present ☐ Extensive ☐ Discount Adders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) — Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6843

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 136556 River: UN-NAMED Trib of EDW.

Date 12/6/1996 Time: 15.00 Surveyor name(s): GR&VC Accreditation code: PRT2

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ✓ right bank ○ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ○ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(exclude tributaries)*

Riffles 30 Unvegetated point bars |

Pools 6 Vegetated point bars ~

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (RHS) — Sheet 2 of 4

TALLY (use 'tally' for Riffles) — Riffles: TH — Using: side bars — Wetted width of pool bars

E PHYSICAL ATTRIBUTES *(for the assessed channel - see Field Survey Guidance)*

Spot check 1 in square ✓ dimensions

	1	2	3	4	5	6	7	8	9	10
BANK PROFILE										
Material *(use BE,BO,CO,UE,EA,FL,CL,CC,ZZ, or GA,SA,SH,PT)*	EA	EA	EA	BE	EA	EA	EA	EA	EA	EA
Bank modifications(s) *(use AE,AS,RS,RP,JC,AM,UN)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(use NO,EC,SC,FA,VT,SB,VS)*	NO	SB	SB	NO	SB	NO	SC	NO	SC	NO
CHANNEL										
Channel substrate *(use BE,BO,CO,GP,SA,SI,CL,FL,AR)*	SP	CO	CO	CO	SP	SP	CO	CO	CO	CO
Substrate shape FL, CV, CC, ST, CV, FO, IR, Other - use	FL	FL	FL	FL	FL	IR	FL	FL	FL	FL
Flow type * *(use FT,CH,BW,UW,CF,ST,UP,SM,RP,FO)*	SM	UW	RP	UU	SM	RP	UW	UW	UW	UW
Channel modification(s) *(use NO,CV,AS,RS,RM,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(use NO,RO,WB,WS,WI,TR)*	NO	RO	NO	NP	NO	NO	NO	MB	MB	NO
RIGHT BANK TICK if (sections) from ✓	✓				✓					
Material *(use BE,BO,CO,CL,EA,FL,CC,ZZ,ST,or GA,SA,SH,PT)*	EA	EA	EA	BE	EA	EA	EA	EA	EA	EA
Bank modifications(s) *(use NO,RS,RP,JC,AM,DA)*	NO	NO	NO	NO	NO	NO	NO	RC	NO	NO
Bank feature(s) *(use NO,EC,SC,FA,VT,SB,VS)*	SB	NO	SB	SB	NO	EC	SB	NO	NO	SC

F BANK TOP LAND USE AND VEGETATION STRUCTURE *(up to assessed width, or 10m each (assessed), ...)*

Land use: choose one from BL, CP, OR, AH, IC, TP, RT, IG, FL, WL, OW, BU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANK TOP (L)	BL	BL	BL	BL	RD	IG	BL	BL	BL	FL
LEFT BANK-TOP *(structure within 1m)* MMMC	S	S	S	S	U	U	S	S	S	S
LEFT BANK FACE *(structure)* MMMC	S	S	C	S	U	S	S	S	C	S
RIGHT BANK FACE *(structure)* MMMC	U	S	S	C	S	B	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* MMMC	S	C	S	C	S	S	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	B	BL	IG	IG	BL	BL	FL

G VEGETATION SURVEY

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY (RHS) — Sheet 3 of 4

SITE NO. 6843

H SUBSTRATE AND FEATURES

	L	R		L	R
Bedrock/Exposed weathered (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↓	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)	↓	↓
Scrub (SC)			Open water (OW)		
Tall herbs' mud, vegetation (TH)	↓	↓	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	↓	↓	Reinforced - toe only		
Composite	↓		Artificial two-stage		
			Poached	↓	↓
			Embanked		
			Set-back embankments		

I CHANNEL STRUCTURE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	○
Continuous	○	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 1/5)
Shading of channel	○	○	✓
Overhanging boughs	○	○	✓
Exposed bankside roots	○	○	○
Underwater tree roots	○	○	✓
Fallen trees	○	✓	○
Coarse woody debris	○	○	✓

	None	Present	E
Waterfall(s)	✓	○	○
Cascade(s)	○	○	✓
Rapid(s)	✓	○	○
Riffle(s)	○	○	✓
Run(s)	○	✓	○
Bank(s)	○	✓	○
Glide(s)	○	✓	○
Pool(s)	○	✓	○

	None	Present	E (≥ 1/5)
Marginal deadwater	○	✓	○
Exposed bedrock	○	✓	○
Exposed boulders	○	✓	○
Unvegetated mid-channel bar(s)	○	✓	○
Vegetated mid-channel bar(s)	✓	○	○
Mature islands(s)	✓	○	✓
Unvegetated side bar(s)	○	○	✓
Vegetated side bar(s)	○	○	○

Indicate predominant flow sequence *(select up to three features)*: (RUN) RIFFLE (POOL)

1996 RIVER HABITAT SURVEY (RHS) — Sheet 4 of 4

J CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop width (m)	Bankop width (m)	2.5		
Bankop height (m) 0.8	Water width (m)	2.0	Bankop height (m)	1.0
Embanked height (m)	Water depth (m)	0.05	Embanked height (m)	

If realistic lower than bankop bread in steps, indicate ' height (m) = 0.75 width(m) = 2.5

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ bedrock ○

Location of measurement is: riffle ✓ run or glide ○ other ○ *(tick one box)*

K ARTIFICIAL FEATURES

None ○ Number of: Outverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords = 1

Is water impounded by weir/dam? No ✓ Yes, <1/3 of site ○ >1/3 of site ○

L RECENT CHANNEL WORK

None ✓ Dredging ○ Straight. ○ Weed-cutting ○ Enhancement ○ Other ? State .....

M EROSION AND DEPOSITION

None ○ Waterfalls > 1m high ○ Bracded/side channels ○ Debris dams (E) ○ Leafy debris ○ Artificial open water ○ Natural open water ○ Water meadow ○ Fen ○ Bog ○ Carr ○ Marsh ✓ Fluvk ○ > Other (state) SPR SS

N CHOKED CHANNEL

Is 1/3 or more of the channel choked with vegetation? NO ✓ YES ○

O OTHER NOTABLE PLANTS

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle, Rhododendron bushes

P LAND USE AND MANAGEMENT

Major impacts: intensive - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - farming - mining - quarrying - overstocking - afforestation - fisheries management - other - other? -

Land Management: not visible - buffer strip - fenced - abandoned land - parkland - MoD - other? - WOODLAND at shown side

Animals: otter - mink - water vole kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Excellent (BL) stream - Riffle mostly. Good plant spp in woods: including Mercl / Spring (NE DECIDS)

Q CATCHMENT LAND USE

Aliens? None ○ Present ✓ Extensive ○ Diseased Aliens? None ✓ Present ○ Extensive ○

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 6844

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 213573 River: ARROW.

Date 12/6/1996 Time 12:00 Surveyor name N. GRIEVE Accreditation code PA2

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☒ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS & NON-UNIFORM FEATURES (*count if present*)

Riffles 16 Unvegetated point bars ☐

Pools 2 Vegetated point bars ☐

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: RUN SPOT CHECKS

Page 2 of 4

TALLY (use 'tick') for : Riffle ☐ Pool ☐ Using side bars ☐ Veg point bars ☐

A. PHYSICAL ATTRIBUTES

Spot check 1 to 10 upstream → downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK: EROSION										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	PC	PC	NO	RC	PC	NO	NO	NO
Bank feature(s)	SB	SC	NO	NO	SC	NO	NO	SC	NO	SC
CHANNEL										
Channel substrate *	CO	CO	GP	CO	CO	CO	CO	CO	SD	CO
Substrate shape	FL	FL	OV	FL	FL	IR	FL	FL	FL	IR
Flow type *	UW	UW	SM	SM	UW	UW	UW	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	MB	NO	NO	NO
RIGHT BANK: EROSION										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	PC	NO	NO	NO	PC	PC	NO	PC	PC	NO
Bank feature(s)	NO	NO	EC	NO	SB	NO	EC	SB	SB	NO

B. BANKTOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	G	IG	IG	IR	IG	IG	G	IG
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	U	U	U	C	S	S	C	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	U	B	U	U	S
RIGHT BANK-TOP (structure within 1m)	C	S	S	S	S	U	U	U	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	BU	B	CP	CP	IG	IG	IG	IG	BU	IG

C. VEGETATION

NONE / PLANT GENERA - list first										
Bryophytes/lichens		✓			✓	✓	✓	✓	✓	✓
Emerg broad leaved herbs	✓	✓	✓	✓	✓	✓			✓	✓
Emerg reeds/sedges/rushes								✓		✓
Floating leaved (rooted)			✓			✓		✓		✓
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/filiform-leaved										
Filamentous algae		✓				✓				✓

NO. 6844 RIVER HABITAT SURVEY 1996 SPOT CHECKS

A. LAND USE (within 50m of bankside)

	L	R		L	R
Ind/mixed woodland (BL)		E	Rough pasture (RP)		
Conif plantation (CP)		✓	Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
[illegible] (SD)			Open water (OW)		
[illegible] road vegetation (TH)			Suburban/urban development (SU)		

B. BANKSIDE VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Woodland	E	E	Revetment		
Trees - line			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Gentle	✓	E	Reinforced - toe only		
Cliff			Artificial eco-engineered		
			Poached	E	E
			Embanked		
			Set back embankments		

C. TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

D. CHANNEL FEATURES

	None	Present	5 (≥ 33%)
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☐	☒	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☒	☐
Pool(s)	☐	☒	☐
Chute(s)	☒	☐	☐
Glide(s)	☐	☐	☒
Pool(s)	☐	☒	☐

	None	Present	5 (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid channel bar(s)	☒	☐	☐
Vegetated mid channel bar(s)	☒	☐	☐
Meders island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☐	☒
Vegetated side bar(s)	☐	☐	☐

predominant flow sequence (*select up to three features*): RIFFLE - GLIDE - POOL

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND FLOW

Page 4 of 4

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.75	Bankop width (m)	5.5	Bankop height (m)	0.75
Embanked height (m)		Water width (m)	5.0	Embanked height (m)	
		Water depth (m)	0.15		

If multiple lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. FEATURES OF CHANNEL

None ☐ Number of Culverts = Fords = Weirs = Outfalls = Fords = Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. OTHER SIGNIFICANT FEATURES

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State . . . . . .

D. FEATURES OF CHANNEL

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☐ Leafy debris ☐ Artificial open water ☐ Natural open water ☐ Water meadow ☐ Fen ☐ Bog ☐ Other (state) Carr ☐ Marsh ☒ Fleet ☐

E. CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (specify) Rhododendron bushes

G. OTHER COMMENTS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = GRASSLAND.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - damselflies/damselflies

Other significant observations: Orchids - grassland LNR
Meandering, tree-lined channel RF.

H. SPECIES

Alders* None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and fenceline — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6848

Mid-site grid reference of network site if different from designated location:

Grid Reference: 669509 River: FROME

Date 3.5./1996 Time: 11.40 Surveyor name P. Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 5 Unvegetated point bars

Pools 4 Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use |||| for 5) for - Riffles |||| Pools ||| Unveg side bars Veg point bars ||

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = spot check only

Spot check 1 = upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced fence	✓			✓					✓	
Material *WW,BE,BO,CO,CS,EA,PC,O,CC,SP,WP,GA,SA,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BAR,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,BO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	VP	NO	NO
CHANNEL ACROSS *(also for Bank-top cycle 4)*										
Channel substrate * *SM,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape *FL,CV,CI,SP,CU,NO,IR, Others - see*	IR	IR	NV	IR	NV	NV	NV	IR	NV	NV
Flow type * *FT,CH,BW,UW,CF,SP,UP,SM,MP,NO*	SM	SM	UP	SM	SM	RP	SM	RP	RP	SM
Channel modification(s) *NE,NO,CV,RS,RI,SM,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,BO,BD,MB,VB,MI,IS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fenced fence			✓							
Material *WW,BE,BO,CO,CS,EA,PE,O,CC,SP,WP,GA,SA,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BAR,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,BO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	BL	TH	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BA/S/C	S	S	S	S	S	U	U	U	S	U
LEFT BANK FACE *(structure)* BA/S/C	C	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/S/C	S	S	S	S	C	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	S	S	B	U	S	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	TH	SC	IS

G CHANNEL VEGETATION CLASSES *(10m wide transect, 0.5 x 0.5m quad) or tick (practical) 50cm wide quad*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓			✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	E									
Filamentous algae										

SITE NO. 6848 1996 RIVER HABITAT SURVEY: 500m SWEEP UP — Page 3 of 4

E LAND USE WITHIN 50m OF MID-POINT (L) AND (R) *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs/ rank vegetation *(TH)*		✓	Suburban/urban development *(SU)*		

H BANK MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: glide / riffle

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	11.00	RIGHT BANK	
Bankfull height (m)	2.80	Water width (m)	5.10	Bankfull height (m)	2.70
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If trapezium: lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

N FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P NOTABLE RIVERSIDE PLANT SPECIES *(IFE/AFE CODES/LATIN NAMES)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notable Rhododendron bracken

Q OTHER NOTABLE FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron) dragonflies/damselflies

Other significant observations: Good pools at upstream end do stretch. Fairly large many trees in river. Bed colour is flinty on left bank

R ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number 6849

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 782543 River: TEME

Date 1.5.1996 Time 17:55 Surveyor name P Starbuck Accreditation code. PF35

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* Rain. P Starbuck

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 | Unvegetated point bars
Pools | Vegetated point bars

© COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
: DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use DIY) for - Riffles // Pools | Unveg side bars | Veg point bars

A PHYSICAL ATTRIBUTES *(for bankside features, tick one box per transect)*

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if fractional fence										
Material * *(PF, BE, BO, CO, CE, SA, PE, CL, CC, SF, **, CU, AS, OT)*	EA	EA	CA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, PO, RS, RI, PC, BM, EM)*	No	Nu	Nu	No	Nu	No	Nu	No	Nu	No
Bank feature(s) *(NF, PO, FC, SC, PB, **, SB, VT)*	SC	M	BC	Nu	LC	ES		No	Nu	Nu
CHANNEL CHARACTERISTICS *(for bankside features, tick one box per transect)*										
Channel substrate * *(RF, BE, BO, CO, CF, SA, SI, CL, PE, AR)*	NV	NV	VV	NV	Nu	SP	SP	NV	NV	NV
Substrate shape *(FL, CH, CL, SF, CU, FO, SI, Other)*	/	/	/	/	/	/	/	/	/	/
Flow type * *(FF, CH, BW, SW, CF, SF, UF, BR, BF, FO)*	RP	CF	SM	SM	SM	RP	RP	RP	UF	RP
Channel modification(s) *(NE, PO, CV, EL, SS, DA, FO)*	No	No	Nu	No	No	Nu	No	No	No	No
Channel feature(s) *(NF, BO, BD, MS, PB, SF, IS)*	NV	NB	NO	NO	NO	NU	No	No	No	No
RIGHT BANK - TICK if fractional fence										
Material * *(BE, BO, CO, CE, SA, PE, CL, CC, SF, **, CU, AS, OT)*	EA	EP	EA	EA	EP	EA	EA	EA	EA	EA
Bank modification(s) *(NE, PO, ES, RI, PC, BM, EM)*	Nu	No	No	No	No	No	No	No	No	No
Bank feature(s) *(NF, PO, EC, SC, PB, **, SB, VT)*	Nu	No	No	No	No	No	No	No	No	No

B BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over 5 m wide transect)*

Land use: choose one from: BL, CP, OR, WH, SC, TM, CF, EC, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	PL	SU	TF	TF	HF	TB	TS	TS	TU
LEFT BANK-TOP *(structure within 1m)* str/sc	C	S	U	J	U	U	U	C	U	U
LEFT BANK FACE *(structure)* str/sc	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* str/sc	S	S	S	S	S	S	S	C	S	S
RIGHT BANK-TOP *(structure within 1m)* str/sc	S	S	S	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	PL	TL	TL	TL	TL	TL	TL	TL	TL

D CHANNEL VEGETATION TYPES *(for bankside features, tick one box per transect)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5		✓			✓					
Bryophytes/lichens	✓					✓				
Emerg broad-leaved herbs			✓		✓	✓	✓	✓	✓	
Emerg reeds/sedges/rushes				✓			✓			
Floating-leaved (rooted)					✓					
Free-floating										
Amphibious							✓			
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6849 RIVER HABITAT SURVEY SURVEY DETAILS

E SUBSTRATE/FEATURES *(for bankside features, tick one box per transect)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Arable (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Parkland/amenity vegetation (TR)			Suburban/urban development (SU)		

Material/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓		Reinforced		
Sloping	✓		Reinforced - whole bank		
Poached (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	G		Artificial two-stage		
			Poached	E	
			Embanked		
			Set-back embankment		

F INCIDENCE OF FEATURES *(for bankside features, tick one box per feature)*

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	6 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercover tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

G CHANNEL FEATURES *(for bankside features, tick one box per feature)*

	None	Present	6		None	Present	6 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Mature island(s)	☑	☐	☐
Chute(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Poo(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*:

H CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull width (m)		NV			
Bankfull height (m)	3.70	NK	Bankfull width (m)	NK	
Embanked height (m)		NK	Bankfull height (m) *	NK	
			Embanked height (m)		

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I ANCILLARY FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J RESOURCE PROTECTION/ENHANCEMENT *(tick one box per bank(s))*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

K PRESENCE OF CONTROL *(tick appropriate box(es))*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

L CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M PRESENCE OF INVASIVE PLANTS *(tick one box)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

N MAN-MADE MODIFICATIONS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Right bank, fairly wide, deep with flow, 10° ! lots of fresh water mussel shells. U. albuth recorded, upper reaches enjoy lots of life.

O FALLERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Excessive ☐ Diseased Alders? None ☑ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6850

Mid-site grid reference of network site if different from designated location:

Grid Reference: Chalk Reference 836592?? River: SLUCAN

Date 15/1996 Time 9:25 Surveyor name P Ecclestone Accreditation code PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☑ partially ☐ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use IIII) for Riffles Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 = upstream 2 = downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional										
Material *	NV	NV	NV	NV	NV	NV	NV	NV	EA	EA
Bank modification(s)	No	No	No	No	No	NK	NK	No	No	No
Bank feature(s)	No	No	No	No	No	No	NV	NO	No	No
CHANNEL										
Channel substrate *	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	No	No	No	No	No	No	No	No	No	No
Channel feature(s)	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if fractional										
Material *	EA	EA	EA	EA	NV	EC	EA	EA	EA	EA
Bank modification(s)	No	No	No	No	No	NI	No	No	No	No
Bank feature(s)	No	No	No	No	No	No	No	No	No	No

E BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, OR, WH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	SU	SU	IS	IS
LEFT BANK TOP (structure within 1m) BA/S/C	U	U	U	U	U	NV	NV	NV	NV	U
LEFT BANK FACE (structure) BA/S/C	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
RIGHT BANK FACE (structure) BA/S/C	C	C	S	S	NV	C	C	C	S	S
RIGHT BANK TOP (structure within 1m) BA/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	SU	SU	SU	TH	TH	SU	SU

F CHANNEL VEGETATION TYPES (Use DAFOR scale) (Optional 500m reach)

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6850 1996 RIVER HABITAT SURVEY - SITE PHOTOGRAPHS Page 3 of 4

G LAND USE (DAFOR) (to be assessed over a 10m wide transect)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	E

H BANK PROFILE (DAFOR) (to be assessed over a 10m wide transect)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Revetment		
Vertical + toe			Reinforced - whole bank		✓
Sloop (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

I WOODY VEGETATION AND ASSOCIATED FEATURES (to be assessed over a 10m wide transect)

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES (to be assessed over a 10m wide transect)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND ADDENDUMS Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	NK	RIGHT BANK	
Bankfull height (m)	NK	Water width (m)	NK	Bankfull height (m)	3.5
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trapezoidal lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

B ANTHROPOGENIC FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, < 33% of site ☐ > 33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT (within channel and 2m of top of bank)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

E CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE NUISANCE PLANT SPECIES (> 33% bank) (NB: IFE RECORDS LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

G OVERALL MANAGEMENT CONDITION

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = (boating)

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: (wide channel, [illegible] and [illegible] and [illegible] pleasant lake [illegible] (spring fed) [illegible] [illegible] [illegible]

BACKGROUND MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 6856

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 15/6/1996 Time: 1545 Surveyor name [illegible] Accreditation code [illegible]

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ✓ entirely ○ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

SITE SKETCH AND VALLEY FORM

○ shallow vee
○ deep vee
○ concave/bowl (If U-shaped glacial valley - add "U")
✓ symmetrical floodplain
asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ IFE : VALLEY FORM NOTES:

SURFACE FEATURES

Riffles — Unvegetated point bars
Pools — Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
SOM, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (no ptn) for - Riffles Pools Unveg. side bars Veg point bars

HABITAT ATTRIBUTES

Spot check 1 at: upstream ○ downstream ○

	1	2	3	4	5	6	7	8	9	10
Material *	CC	SA	MM	MI	MF	MI	MI	MI	MI	MI
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate *	MI	MI	MI	MI	CL	CL	CL	CL	CL	CL
Substrate shape	NA		NA	NA	NA		NA	NA	NA	NA
Flow type *			SM	SM	SM			SM	SM	
Channel modification(s)	RS	RS			NO			NO	NO	
Channel feature(s)			R							
Material *										
Bank modification(s)										
Bank feature(s)		NA		NO						

BANK AND LAND USE ATTRIBUTES

Land use: choose one from: IE, CP, OR, HP, RC, IW, SF, HO, IL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	TC	TL	TO	TL						
LEFT BANK-TOP (structure within 1m) MODIFIC	S	C	C	C				C		C
LEFT BANK FACE (structure) MODIFIC	C	S	S	C						
RIGHT BANK FACE (structure) MODIFIC	S	S	S	S						
RIGHT BANK-TOP (structure within 1m) MODIFIC	U	U	U	U						
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL						

PLANT SPECIES LIST

NONE / PLANT OBSERA - list item 5					✓		✓	✓	✓	✓
Bryophytes/lichen										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	✓	✓	✓	✓				

RIVER HABITAT SURVEY: CHANNEL SURVEY

	L	R		L	R
Bronded/Unbraid woodland (BL)	E		Rough pasture (RP)		
Tarmac plantation (CP)			Improved/semi-improved grass (IG)	E	
ural (OR)			Tilled land (TL)	✓	E
land/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs" rank vegetation (TH)			Suburban/urban development (SD)		

	L	R		L	R
Vertical/undercut			Artificial/modified		
V < 90			Resectioned	E	E
V > 45?	E	E	Reinforced - whole bank	✓	✓
			Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/occasional	○	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	✓	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed backside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	None	Present	E
Riffle(s)	✓	○	○
Rapid(s)	✓	○	○
Cascade(s)	✓	○	○
Riffle(s)	✓	○	○
Run(s)	✓	○	○
Pool(s)	✓	○	○
Edge(s)	○	○	✓
Pool(s)	✓	○	○

	None	Present	E (≥ 1/5)
Marginal deadwood	○	○	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): Gl.de

RIVER HABITAT SURVEY: CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.7	Bankfull width (m)	30	Bankfull height (m) 1.7
Embanked height (m)		Water width (m)	2.0	Embanked height (m)
		Water depth (m)	0.5	

If trafficable lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ○ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

CHANNEL MODIFICATIONS

None ○ Number of Culverts = Fordbridges = Weirs = Roadbridges = Outfalls = Other = 1 Fords =

Is water impounded by weirs/dam? No ✓ Yes, <33% of site ○ >33% of site ○

BANKSIDE VEGETATION

None ✓ Dredging ○ Mowing ○ Weed cutting ○ Enhancement ○ Other ? State .....

BANKSIDE LAND USE

None ✓

Waterfalls > 5m high	○	Artificial open water	○	Bog	○
Bridges/ride channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

Other (state) .

CHANNEL FLOW STATUS

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

EXOTIC PLANTS

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other (specify) Rhododendron bushes

OTHER OBSERVATIONS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstructions - mill - dam - road - rail - industry - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: cut banks - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - herons - dragonflies/damselflies

Other significant observations: [illegible]

CHANNEL MODIFICATIONS 2

Added? None ○ Present ✓ Extensive ○ Dominant Added? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6857

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP599591 River: Nene

Date 30/5/1996 Time: 11:00 Surveyor name: JJL Accreditation code: PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ coocave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS? *(indicate total number)*

Riffles	1	Unvegetated point bars	
Pools	✓	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 3M's for Riffles, Pools, Unveg side bars, Veg point bars)

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* * = one entry only

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature	✓	✓	✓			✓	✓	✓	✓	✓
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW substrate shape code *										
Channel substrate *	CL	CB	CO	GL	CL	CL	GP	CL	GP	CL
Substrate shape	NA	NA	CU	NA	NA	NA	IR	NA	NA	NA
Flow type *	RP	SM	CH	SM	SM	SM	RP	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	EC	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, IC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/S/C	U	U	B	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/S/C	U	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BA/S/C	U	U	B	B	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	S	U	B	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	IG	IG	IG	IG	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect, % cover of stick (presence) 50m each end)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓							
Emerg broad-leaved herbs	Apium nodiflorum		✓	✓						✓
Emerg reeds/sedges/rushes	Sparganium				✓					
Floating leaved (rooted)										
Free-floating										
Amphibious	✓	✓		✓	✓	✓	✓			
Submergal broad-leaved	✓	✓		✓						
Submerg fine/linear-leaved										
Filamentous algae	✓		E	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6857 1996 RIVER HABITAT SURVEY: 500m SWEEP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(if greater than 50m, estimate %)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES *(at least 10 locations)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J SYNOPSIS OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K SYNOPSIS OF INSTREAM FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: G R

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

J CHANNEL DIMENSIONS *(to be assessed at one site on a straight or uniform section, preferably across a riffle)*

LEFT BANK				RIGHT BANK
Banktop height (m)	1.0	Banktop width (m)	2.0	Banktop height (m) 1.0
Embanked height (m)		Water width (m)	0.95	*Embanked height (m)*
		Water depth (m)	0.5	

If trashline/ lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

K ARTIFICIAL STRUCTURES *(influencing flow)*

None ☐ Number of: Culverts = / Weirs = / Outfalls = / Fords = 0
Footbridges = 1 / Roadbridges = 1 / Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(within channel or on banks)*

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State .....

O FEATURES OF SPECIAL INTEREST *(tick all that apply)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(if present, estimate % cover within 10m wide transect; for IFE, note LARGE STANDS of others)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHANNEL CONDITION *(subjective assessment)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 5858

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Nene

Date 30/5/1996 Time: 9.50 Surveyor name JWL Accreditation code PF43

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

○	shallow vee	○	concave/bowl *(If U-shaped glacial valley - add "U")*
○	deep vee	✓	symmetrical floodplain
○	gorge	○	asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	4	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DU) for - Riffles Pools Uneveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m upstream ○ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional trace										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ANEW										
Channel substrate '	GP	GP	SA	SA	GP	GP	CO	SA	GP	GP
Substrate shape	IR	NA	NA	NA	NA	IR	CU	NA	IR	NA
Flow type '	SM	SM	RP	RP	UW	UW	UW	SM	SM	SM
Channel modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	TR	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional trace										
Material	EA	EA	EA	EA	GM	EA	BU	BR	EA	EA
Bank modification(s)	NO	NO	NO	NO	RI	NO	RI	RI	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IA, CP, OR, WH, IC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* STRUC	U	U	U	S	S	S	U	S	C	C
LEFT BANK FACE *(structure)* STRUC	B	U	U	B	S	S	B	B	S	U
RIGHT BANK FACE *(structure)* STRUC	U	U	U	U	U	U	B	B	S	S
RIGHT BANK-TOP *(structure within 1m)* STRUC	S	S	S	C	B	S	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES *(10m wide transect - 2m x 1m area) or tick (presence) 500m survey*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens							✓			
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious				✓						
Submerged broad-leaved										
Submerg fine/filiform-leaved										
Filamentous algae	E	E	E	✓	✓	✓	✓	✓	✓	✓

E NO. 5858 1996 RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET Page 3 of 4

CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Wood/mixed woodland (BL)	E	E	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)		
Arable land (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Orchard (OC)			Open water (OW)		
Suburban/herbs' mixed vegetation (TH)			Suburban/urban development (SU)	E	E

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Revetmented		
Gentle (< 45°)	E	E	Reinforced - whole bank	✓	✓
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Stepped			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

SECTION OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (> 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	○	✓	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

CHANNEL FEATURES

	None	Present	E (> 33%)		None	Present	E (> 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	✓	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	✓	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	○	✓	○	Vegetated mid channel bar(s)	✓	○	○
Bend(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Estimate predominant flow sequence *(select up to three features)*: 1 2 3

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS *(to be measured perpendicular across a riffle)*

LEFT BANK		Bankfull width (m)	3.50	RIGHT BANK	
Bankfull height (m)	0.45	Water width (m)	3.25	Bankfull height (m)	0.45
Embanked height (m)	—	Water depth (m)	0.25	Embanked height (m)	—

If bankfull lower than bankfull break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ *(tick one box)*

ARTIFICIAL FEATURES *(tick appropriate box(es))*

None ○ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

H EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State .....

I FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ✓ Fen ○ Flush ○

J CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

K NOTABLE PLANTS *(MAJOR SPECIES ONLY) (tick appropriate box(es))* Write in LARGE STANDS of other sp

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? (Name) Rhododendron bushes

L EVIDENCE OF ACTIVITIES *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - sibling - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

M ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number 6859

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: None

Date 30.5.1996 Time: 13:50 Surveyor name HL Accreditation code. PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles / Unvegetated point bars /
Pools / Vegetated point bars /

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use diff's for Riffles Pools Unveg. side bars Veg point bars)

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one entry only

Spot check 1 is upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	LA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW bankside shape codes										
Channel substrate '	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type '	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, IH, RF, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	TH	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; ✓ if >33% area) of tick (present) 50cm each side of*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	✓	✓	✓	✓	✓	✓	✓			
Free-floating										
Amphibious			✓	✓						
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6859 1996 RIVER HABITAT SURVEY: 500m SWEEP UP & DOWN Page 3 of 4

H LAND USE WITHIN 50m OF TOP OF BANK (tick ✓ if >5% area)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)	E	✓	Suburban/urban development (SU)	✓	

I BANK CONSTRUCTION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		✓
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J SUBSTRATE/FEATURES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☐	☐

K SUBSTRATE/FEATURES IN THE CHANNEL

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (*select up to three features*):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(at one site on a straight uniform section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	17.5	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	15	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If riverbanks lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = 1 Roadbridges = Other = 1 Railbridge
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick one box per bank (all))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick one box per bank (all))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CROWDED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q PROBABLE NUISANCE PLANT SPECIES *(tick one box per species (all)) LARGE STANDS of other*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nonic Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other* =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - bullfinch - dipper - grey wagtail - sand martin - heron - dragonflies damselflies

Other significant observations

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6860

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Ouse

Date 19/5/1996 Time: 11.53 Surveyor name JJL Accreditation code. PF43

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ✓ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ✓ channel ○ *(tick as appropriate)*

PREDOMINANT VALLEY FORM(S) *(tick one box only)*

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	2	Unvegetated point bars	1
Pools	2	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use tally) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = one entry only

Spot check 1 is upstream ✓ downstream ○	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	NV	NV	NI	NV	NV	NV	EA	EA	NV	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	PC	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	NO	NO	NO
CHANNEL										
Channel substrate *	GP	NV	NV	NV	NV	NV	NV	NV	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *	RP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SC	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, ARB, RC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	NL	BL	BL	GU	SU	SU	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/UC	C	S	S	S	S	S	U	U	U	U
LEFT BANK FACE *(structure)* BA/UC	S	U	U	S	U	U	B	B	U	U
RIGHT BANK FACE *(structure)* BA/UC	U	U	U	U	U	U	U	U	U	B
RIGHT BANK-TOP *(structure within 1m)* BA/UC	U	U	U	U	U	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	TH	TH	TH	BL	BL	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; if < 33% areal or stick (presence) 500m upstream and downstream)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs									✓	✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)		✓	✓		✓	✓				
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	/									
Filamentous algae	✓	✓	✓		✓	✓			G	✓

NO. 6860 — 1996 RIVER HABITAT SURVEY: SWEEP-UP CHECKLIST — Page 3 of 4

CONDITION OF BANKTOP AND ADJACENT LAND

	L	R		L	R
Semi-natural woodland (BL)	E	E	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Other "rough" rural vegetation (TH)		E	Suburban/urban development (SU)	E	

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Undercut	E	E	Reinforced		
Undercut + toe	✓		Reinforced - whole bank	✓	
Vertical (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Unstable			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	✓
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	○	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

PRESENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	✓	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	✓	○	○	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	○	✓	○	Vegetated mid-channel bar(s)	○	✓	○
Bay(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Note predominant flow sequence *(select up to three features)*: G R

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

I CHANNEL DIMENSIONS *(to be assessed at one of the spot check locations)*

LEFT BANK		Bankfull width (m)	16	RIGHT BANK	
Bankfull height (m)	1.2	Water width (m)	14	Bankfull height (m)	1.2
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If trapezium lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ *(tick one box)*

J ARTIFICIAL FEATURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

K EVIDENCE OF RECENT MANAGEMENT *(within previous 5 years)*

None ○ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State ... Tree planting on R/B

L FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓

Waterfalls > 5m high	○	Artificial open water	○	Bog	○ Other (state)
Braided/side channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

P CHOKED CHANNEL *(to be assessed over a 10m wide transect)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

Q NOTABLE PLANT SPECIES *(to be assessed over a 10m wide transect)* Extent: STANDS of others eg

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? (Name) Rhododendron bushes

R OVERALL RIVER CHARACTERISTICS *(to be assessed over a 10m wide transect)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6661

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: G Ouse

Date 29/5/1996 Time: 13.30. Surveyor name: JJL. Accreditation code: PF43.

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use pencil) for: Riffles | Pools | Un-veg side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - NEW channel shape codes										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	TL	TL	TL	SC	TH	GL	BL	BL
LEFT BANK-TOP (structure within 1m) BA/US/C	U	S	S	U	S	S	S	S	S	S
LEFT BANK FACE (structure) BA/US/C	U	U	U	S	S	U	U	U	U	U
RIGHT BANK FACE (structure) BA/US/C	S	S	S	S	U	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/US/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (10m wide transect; 0.1-33% area) write (dominant) species

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (e.g. Sparganium)			✓				✓			✓
Emerg reeds/sedges/rushes (e.g. Carex)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	✓					✓	✓	✓	✓	
Free-floating							✓			
Amphibious		✓		✓	✓	✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae				✓	✓	✓	✓	✓	✓	✓

SITE NO. 6661 1996 RIVER HABITAT SURVEY: SIDE VIEW Page 3 of 4

H LAND USE WITHIN 50m OF SURVEY REACH (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)	✓	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs* / rank vegetation (TH)	✓		Suburban/urban development (SU)		✓

I BANK CHARACTERISTICS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

J EXTENT OF TREELAND & ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): C I K

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop width (m)		16		
Banktop height (m)	1.2	Water width (m)	18	Banktop height (m) 1.2
Embanked height (m)		Water depth (m)	NA	Embanked height (m)

If trees/bluff lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Fleush	☐

Other (state)

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE RIVERBANK PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

R BOVEY ALL CHARACTERISTICS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY — BACKGROUND MAP/BASIN INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6862

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 030591 River: . C. ouse

Date 4th/6/1996 Time: 14:41 Surveyor name .JJC.. Accreditation code. . PF43

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (Use 2 for each bank)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 — Unvegetated point bars —

Pools 1 — Vegetated point bars —

Send COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY — TALLY (use 'tick') for - Riffles / Pools / Usually, side bars / Very major bars

PHYSICAL ATTRIBUTES

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (facing downstream)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (facing downstream)										
Material *	NV	NV	NV	NV	NV	NV	CC	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP, LAND USE AND RIVER MAJOR STRUCTURES (Use 2 for each bank; 5m wide (riparian))

Land use: choose one from ac, Cr, dd, eol, ic, IH, op, rc, rl, wl, ow, zz

LAND USE WITHIN 5m OF BANKTOP (L)	GL	IH	TT	TH	GL	GL	SU	GL	GL	
LEFT BANK TOP (structure within 1m) a/u/s/c	C	U	U	U	C	C	C	C	C	
LEFT BANK FACE (structure) a/u/s/c	U	U	U	U	C	S	C	C	C	
RIGHT BANK FACE (structure) a/u/s/c	S	S	S	U	U	U	C	U	U	
RIGHT BANK TOP (structure within 1m) a/u/s/c	S	S	S	U	U	U	C	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	GL	GL	GL	TL	TL	TL	SU	GL	GL	

C. BANKSIDE VEGETATION

NONE / PLANT GENERA - list first 5							✓			
Bryophytes/lichens										
Emerg broad-leaved herbs					✓					
Emerg reeds/sedges/rushes		✓	✓	✓	✓	✓		✓	✓	✓
Floating-leaved (rooted)	✓	✓	✓	✓	✓	✓		✓		✓
Free-floating										
Amphibious										✓
Submerged broad-leaved										
Submerg fine/linear-leaved				✓				✓		✓
Filamentous algae										

RIVER HABITAT SURVEY — NO. 6862

	L	R		L	R
Semi-natural woodland (SL)	E	✓	Bough pasture (LP)		
Scrub/plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Allotments/parkland (MP)			Wetland (eg bog, marsh, fen) (WL)		
Urban (UD)			Open water (OW)		
Derelict land with vegetation (TH)	E	E	Suburban/urban development (SU)	✓	✓

	L	R	Artificial/modified	L	R
Natural/unmodified	E	E	Resectioned		
Natural + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
Low	✓	✓	Reinforced - toe only		
Cliffs			Artificial two-stage		
			Poached		
			Eroding		
			Set-back embankment		

D. IN-CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater rpy roots	☐	☑	☐
Fallen trees	☑	☐	☐
Criteria 'weir' apply	☑	☐	☐

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Iconic predominant flow sequence *(select up to three features)*: Glide.

RIVER HABITAT SURVEY — CONDITIONS AND INFLUENCES

LEFT BANK				RIGHT BANK	
Bankside width (m)		20 S		Bankside width (m)	
Bankside height (m)	0·5	Water width (m)	20	Bankside height (m)	0·5
Embanked height (m)		Water depth (m)	NV	Embanked height (m)	

If trashlines lower than bankside break in slope, indicate: height (m) = ——— width (m) = ———

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

A. MAN-MADE FEATURES

None ☐ Number of: Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = 1 Fords = 1

Is water impounded by weirs/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

B. MAN-MADE ACTIVITIES

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐

Enhancement ☐ Other ? State .....

C. NATURAL FEATURES AND ACTIVITIES

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leaf debris	☐	Fen	☐	Flush	☐

Other (state) .....

D. CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

E. INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

F. WATER QUALITY AND POLLUTION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - pond - mill industry - shooting - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

G. ALGAL GROWTH

Algae? None ☑ Present ☐ Extensive ☐ Diatomal Algae? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and freeing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6863

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 153 504 River: Ivel

Date: 4/6/1996 Time: 12ish... Surveyor name: JJL... Accreditation code: PF43

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ✓ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ✓ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add "U")
✓ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 | Unvegetated point bars 0
Pools 0 | Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

TALLY (use pin) for - Riffles | Pools | Using tape bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed at 10 sites (transects))

Spot check 1 at upstream ☐ downstream ✓

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional										
Material	EA	EA	EA	EA	VP	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - TICK if functional										
Channel substrate	NV	NV	GP	GP	GP	NV	NV	NV	NV	NV
Substrate shape	NA	NA	IR	IR	IR	NA	NA	NA	NA	NA
Flow type	SM	SM	RP	RP	RP	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional										
Material	EA	EA	EA	EA	WP	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	EM	EM	RS	EM	EM	EM	EM	EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: AL, CP, OL, HR, IC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	OL	SU	SU	SU	SU	TH	TH	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MARK	S	S	S	S	U	U	U	U	U	U
LEFT BANK FACE (structure) MARK	U	U	U	S	B	U	U	U	U	U
RIGHT BANK FACE (structure) MARK	U	U	U	U	B	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) MARK	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IC	IG	IG	IC	TH	TH	TH	TH	TH

G AQUATIC VEGETATION (to be assessed over a 10m wide transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)			✓							
Free-floating										
Amphibious										
Submerged broad-leaved		✓		✓	✓	✓	✓	✓	✓	
Submerg fine/linear-leaved			✓	✓	✓		✓		✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6863

1996 RIVER HABITAT SURVEY

H SUBSTRATE AND FEATURES

	L	R		L	R
Brnd/Dec/Conif woodland (BL)	✓	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	F	E	Suburban/urban development (SU)		

	L	R		L	R
Natural/semi-natural	✓	✓	Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		E
			Set back embankments		

I TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bank-side roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwood	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Meanders inbank(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (select up to three features): 1 CA CA

J CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.9	Banktop width (m)	12	Banktop height (m)	0.4
Embanked height (m)		Water width (m)	12	Embanked height (m)	1.5
		Water depth (m)	0.9		

If trapezium lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box)

K WATER CONTROL STRUCTURES

None ☐ Number of: Culverts = Weirs = | Outfalls = Fords =
Footbridges = | Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

L RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

M WATER OR RIPARIAN MANAGEMENT

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

N CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

O NATURE CONSERVATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

P ADVANCED OBSERVATIONS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations:

Q ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant species and fencing (Version 1.1) Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6864

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Unnamed

Date 25/5/1996 Time: 11:52 Surveyor name JJC Accreditation code: PFA:

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☒ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number of each)*

Riffles	/	Unvegetated point bars	/
Pools	/	Vegetated point bars	/

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY FIELD NOTEBOOK Sheet 2 of 4

TALLY (one tick for each) for Riffles / Pools / Uneveg. side bars / Veg point bars

E PHYSICAL ATTRIBUTES *(to be recorded across channel width at each transect)*

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *(see BC,BO,CO,CE,FA,FL,CL,CC,SP,WP,CA,MI,OT,NV)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,FC,BM,ZM)*	NO	NO	NO	RS	RS	NO	NO	NO	RS	RS
Bank feature(s) *(NV,NO,EC,BC,FB,WP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SI	SI	SI	CL	SI	SI	SI	SI	SI	SI
Substrate shape *(FL,CH,CL,IR,CU,FO,IR, Others = none)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *(FF,CH,RP,UW,CF,EP,UP,SM,MP,NO)*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(ME,NO,CV,RS,RI,DA,FO)*	RS	RS	NO	RS	RS	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,MB,VS,MI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *(see BC,BO,CO,CE,SA,FL,CL,CC,SP,WP,CA,MI,OT)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,FC,BM,ZM)*	NO	NO	NO	RS	NO	NO	NO	NO	RS	RS
Bank feature(s) *(NV,NO,EC,BC,FB,WP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, HW, RC, TH, RF, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	TH	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BANDAC	C	C	S	U	U	U	U	S	U	U
LEFT BANK FACE *(structure)* BANDAC	S	S	S	U	S	U	U	S	U	S
RIGHT BANK FACE *(structure)* BANDAC	S	S	S	U	S	U	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BANDAC	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION NOTES *(list species)*

NONE / PLANT GENERA - list first 5	/	/								
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious			✓	✓				✓	✓	
Submerged broad leaved			✓		✓	E	✓	✓	✓	
Submerg fine/filiform leaved										
Filamentous algae				✓	✓	✓	✓	✓	E	✓

SITE NO. 6864 1996 RIVER HABITAT SURVEY FIELD NOTEBOOK Sheet 3 of 4

H BANKSIDE LAND USE (LEFT) (RIGHT) *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herb* and grass vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE (LEFT) (RIGHT) *(tick one box per bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

J BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K IN-CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: C

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Sheet 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.2	Banktop width (m)	1.2	Banktop height (m)	0.3
Embanked height (m)		Water width (m)	1.0	*Embanked height (m)*	
		Water depth (m)	0.5		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site in: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement in: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =
Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

N PRESENCE OF RECENT CHANNEL WORKS

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF IMPORTANCE

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CROPPED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

R FACTORS AFFECTING CHANNEL

Major impacts: bank fill - dipping - fence - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations:

S NOTES

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6865

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 344 561 River: Bourn Brook

Date 23.5./1996 Time: 9.30 Surveyor name JJL Accreditation code: PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(enter actual count number)*

Riffles	1	Unvegetated point bars	
Pools	3	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS — Page 2 of 4

TALLY (use 5bf) for - Riffles | Pools | Unveg. side bars | Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 at: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *(NV,BE,BO,CD,GI,EA,PE,CL,CC,SP,WP,GA,AR,RS,RW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	GS
Bank modification(s) *(NE,NO,RS,RI,FC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	SC	SC	SC	NO
CHANNEL TICK if fractional fence										
Channel substrate * *(NV,BE,BO,CD,GP,SA,SI,CL,PE,AR)*	NV	NV	NV	GP	NV	GP	S1	SI	GP	AR
Substrate shape *(FL,CH,EL,SP,CU,FO,IR, Others - none)*	NA	NA	NA	IR	NA	IR	NA	NA	IR	NA
Flow type * *(FF,CH,RW,UW,CF,RF,UP,SM,MP,NO)*	NP	NP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *(NV,BE,BO,CD,GI,EA,PE,CL,CC,SP,WP,GA,AR,RS,RW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	GS
Bank modification(s) *(NE,NO,RS,RI,FC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	SC	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	IG	SC	IG	IG	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	S	U	U	U	U	S	U	B
LEFT BANK FACE *(structure)* B/U/S/C	S	U	U	U	S	U	U	S	U	B
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	U	U	S	S	S	S	S	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	B	U	U	U	U	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G PLANT SPECIES INFORMATION *(to be assessed over a 10m wide transect)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes			X	/		✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae	/	✓	✓	E	✓	E	E	✓	✓	E

SITE NO. 6865 — 1996 RIVER HABITAT SURVEY: SPOT CHECKS — Page 3 of 4

H BANKSIDE LAND USE *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs - rank vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned	/	/
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K INSTREAM CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☑	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Glide, pool, Cas...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	2.5	RIGHT BANK	
Bankfull height (m)	1.2	Water width (m)	2.0	Bankfull height (m)	1.2
Embanked height (m)		Water depth (m)	0.40	*Embanked height (m)*	

If trueblue lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords = 1
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q RIVERSIDE INFLUENCES

None ☐ Giant Hogweed ☑ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R IMPACTS AND MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S INDEX

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing | Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6866

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Cam

Date 21/5/1996 Time: 15:43 Surveyor name JJC Accreditation code: PF 43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with SCOTCHECKS | Page 2 of 4

TALLY (use 5M?) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for the assessment of channel, riparian & in-stream features)*

Spot check 1 at upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	GR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	RP	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	GR	BR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RS	RI	NO	NO	NO
Bank feature(s)	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: IE, CP, OR, HR, PC, TH, SP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SC	TH	SC	SC	BL	SC	SU	TH	SC	TL
LEFT BANK TOP *(structure within 1m)*	S	U	U	U	S	S	U	U	U	U
LEFT BANK FACE *(structure)*	U	U	U	U	S	U	B	U	B	U
RIGHT BANK FACE *(structure)*	U	U	U	U	U	B	B	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	TR	SU	SU	SU	SU	SC	RP	SC

G MACROPHYTE AND FILAMENTOUS ALGAE SURVEY *(presence within 1m of bankface)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	E	✓	✓	✓	✓
Floating leaved (rooted)					✓		✓	✓	✓	
Free floating										
Amphibious	✓	✓							✓	✓
Submerged broad leaved										✓
Submerg fine/linear leaved	✓	✓		✓	✓	E				✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SITE NO. 6866 1996 RIVER HABITAT SURVEY CORE SURVEY SHEET | Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Use 1 for dominant, 2 for secondary)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E		Open water (OW)		—
Tall herbs/ rank vegetation (TH)	E		Suburban/urban development (SU)	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/managed			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical < 1m			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

J CONSTRUCTED AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercutter bank roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: G I. P ..

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES | Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.95	Banktop width (m)	7.0	Banktop height (m)
Embanked height (m)		Water width (m)	6.0	Embanked height (m)
		Water depth (m)	0.5	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurements is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, < 33% of site ☑ > 33% of site ☐

N RECENT MANAGEMENT ACTIVITY

None ☐ Dredging ☑ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF RECENT INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q RIPARIAN PLANT SPECIES *(presence within 1m of bankface)* | LARGE STANDS (>5m)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron Rhododendron bracteatum

R CATCHMENT LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Cockle Trout
Nice fishing ... Rough ... rather ... very nice 30.

S ALDERS (tick appropriate box(es))

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant species and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 1867

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Little Wilbraham River

Date 22/5/1996 Time: 9:30 Surveyor name: JHL Accreditation code: PF43

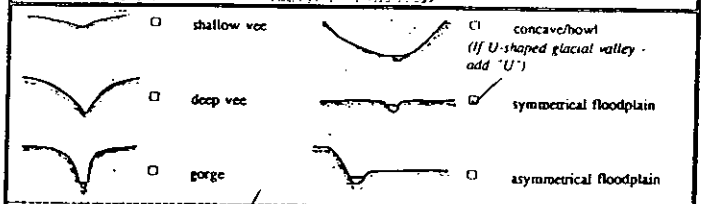
Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☑ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use 5M) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* i.e. does not apply

Spot check 1 is upstream ✓ downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	RS	RS	RS	NV	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	RP	RP	RP	RP	RP	RP	SU	SU	SU
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	S	S	S	S
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	S	S	U	U	U	U	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TL	TL	TL	TL	TL	BL	SU	SU	SU

G CHANNEL VEGETATION TYPES *(10m wide transect, ≥ 33% cover) write down (presence) 50m both sides*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	X	✓	E	✓		E		E		
Emerg reeds/sedges/rushes					X	✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious						X	✓	✓		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6367 — 1996 RIVER HABITAT SURVEY & SCOPE FOR MOD — Page 3 of

H LAND USE WITHIN 50m OF BANKTOP *(% to nearest 5%)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)	E	F

I BANK SIDE SECTIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Slump (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K INSTREAM FEATURES *(within 10m wide transect)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a straight, uniform section, preferably across a riffle)*

LEFT BANK				RIGHT BANK
Banktop height (m)	0.20	Banktop width (m)	2.0	Banktop height (m) 0.20
Embanked height (m)		Water width (m)	1.8	*Embanked height (m)*
		Water depth (m)	0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 10m wide transect - tick appropriate box(es))*

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(in 0 or E (≥ 33%) cover (in) 10m wide LARGE STANDS of other)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS *(Circle appropriate words/add others as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management (set-aside) buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink (water vole) kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6868

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 626592 River: Soham Lode

Date 22/5/1996 Time: 11:00 Surveyor name JJL Accreditation code PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	7	Unvegetated point bars	1
Pools	6	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use 5bf) for - Riffles Pools Unveg. side bars Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW substrate/shape codes										
Channel substrate '	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type '	NP	NP	NP	NP	NP	NP	NP	NP	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F RANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TH	TH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	U	U	U	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	U	U	U	U	U	U	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect; if ≥33% area) or tick (present) Score each as 1-3*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓	✓	X							
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae			✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6868 1996 SIV HABITAT SURVEY 500m SWEEP UP — Page 3 of 4

H BANK TYPES *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	E	E	Open water *(OW)*		
Tall herbs* marsh vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILES *(Tick one box per bank)*

	L	R		L	R
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K EXTENT OF INSTREAM FEATURES *(Tick one box per feature)*

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured in 'one side' of straight uniform section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	1.9	RIGHT BANK	
Banktop height (m)	0.45	Water width (m)	0.5	Banktop height (m)	0.95
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site in: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(within 500m of site)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick if ≥ 33% bank(s))* IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Note Rhododendron bracken

R OVERALL CHARACTERISTICS *(Note any other significant features as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: (Set-aside) buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 0869

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 710585 River: Kennett

Date 22.3./1996 Time 11.52 Surveyor name JJC Accreditation code PF43

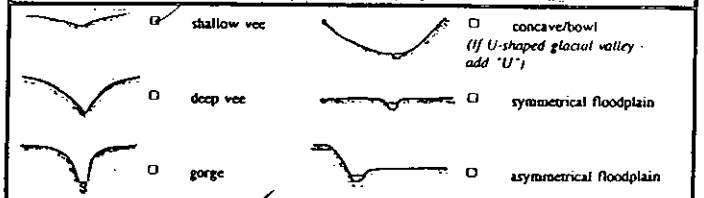
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2	Unvegetated point bars 2
Pools 2	Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAF) for - Riffles Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check (☐ upstream ☐ downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	GA	GA	EA	GA	EA	EA	EA	RS	RS	RS
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW, substrate, shape codes →										
Channel substrate *	SA	SA	SA	SA	SA	SA	SA	SA	SA	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE *(structure)* B/U/S/C	U	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; ✓ (≥ 33% area) or tick (present) 500m 'catch-all' →*

NONE / PLANT GENERA - list first 5	✓	✓	✓					✓	✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submergent broad-leaved									
Submerg fine/linear-leaved									
Filamentous algae									

SITE NO. 0869 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

H SUBSTRATE AND FEATURES (to be assessed over a 10m wide transect)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE (to be assessed over a 10m wide transect)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Eroded/cut		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	✓	✓
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	☐	☐

K CHANNEL FEATURES (to be assessed over a 500m 'catch-all' transect)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle, Run, Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at bankfull stage in a straight section, preferably across a riffle)*

LEFT BANK		Bankfull width (m)	4.0	RIGHT BANK	
Bankfull height (m)	0.75	Water width (m)	0.0	Bankfull height (m)	1.75
Embanked height (m)		Water depth (m)	0.0	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(indicate total number of each appropriate box(es))*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . . . . .

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ☐	Fen ☐	Flush ☐		

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(✓ if ≥ 33% bankfull)* IFE note LARGE STANDS of others eg

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es) and/or write in as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS *(tick appropriate box(es))*

Alders' None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6870

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 832552 River: CHAD BROOK (TRIBUTARY OF STOUR)

Date 6/6/1996 Time: 1420 Surveyor name G. COLLETT Accreditation code. RF10

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* Dense Crataegus

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JHF) for Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = spot entry only

Spot check 1 at: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/ fence	→	→	→	→	→	→	→	→	→	→
Material '	EA									
Bank modification(s)	NO	NO	NO	PC	NO					
Bank feature(s)	SC	NO	SB	NO	EC	CC	SB	NO	SC	NO
CHANNEL NEW modified Bank codes										
Channel substrate '	SA	SA	SA	SA	SI	SI	SI	SI	SI	SA
Substrate shape	NA									
Flow type '	NP	NP	NP	RP	NP					
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK TICK if fenced/ fence										
Material '	EA									
Bank modification(s)	PC	NO	NO	NO	PC	PC	NO			
Bank feature(s)	NO	NO	NO	EC	NO					

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (R)	SU	SU	TL						→	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	U	U	U	U	U	S	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	B	B	B	S	S	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	B	U	S	B	S	B	S	S	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	U	S	S	U	B	U	S	U	V
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	TL	TL	TH	TL

G CHANNEL VEGETATION TYPES *(10m wide transect - 4 (≥ 1/3 R area) or tick 'present' 500m catch-all)*

NONE / PLANT GENERA - list first 5	✓	✓		✓	✓	✓	✓	✓		
Bryophytes/lichens	Argo									
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			E					E	E	

SITE NO. 1996 RIVER HABITAT SURVEY: 200m SWEEP UP Page 3 of 4

E LAND USE IN SURVEY SWEEP (to 200m each side of channel)

	L	R		L	R
roadleaf/mixed woodland (BL)			Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)	E	E
oorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
ll herbs' rank vegetation (TH)	✓		Suburban/urban development (SU)		✓

H ENGINEERING/MODIFICATIONS (to 200m each side of channel)

	L	R		L	R
atural/unmodified			Artificial/modified		
rtical/undercut			Resectioned		
rtical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
ttle			Reinforced - toe only		
mposite			Artificial two-stage		
			Pooched	E	✓
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥1/3%)
Shading of channel	☐	☐	☑
Overhanging bowghs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

J OCCURRENCE OF IN-CHANNEL FEATURES

	None	Present	E (≥1/3%)
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☐	☑

	None	Present	E (≥1/3%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☑
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: [illegible]

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at each site on a straight section, preferably across a riffle)*

LEFT BANK		Bankfull width (m)	5.0	RIGHT BANK	
Bankfull height (m)	1.0	Water width (m)	1.0	Bankfull height (m)	2.0
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(tick appropriate box(es))*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(use for R (≥ 33% bankfull) or IFE mod LARGE STANDS of others eg*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = AGRICULTURE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = LAND

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6871

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 23/5/1996 Time: 6.15 Surveyor name GOULETT Accreditation code PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(Indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use JBP) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one entry only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *HV,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BA,SH,RW*	EA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	FC	NO	EC	NO					
CHANNEL										
Channel substrate ' *HV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SA	SA	SI			SA	SI	
Substrate shape *FL,OV,EL,IV,CU,PO,IR, Others - note*	NO									
Flow type ' *FT,CH,RW,UW,CF,BP,UP,SW,NP,NO*	NP									
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO									
Channel feature(s) *HV,NO,SO,MB,VB,SG,TR*	NO									
RIGHT BANK TICK if functional fence										
Material *HV,BE,BO,CO,GP,SA,PE,CL,CC,SP,WP,GA,BA,SH,RW*	EA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO					RS	RS	RS	RS	
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	NO	NO					

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, HF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU					TL				
LEFT BANK-TOP *(structure within 1m)* *BU/SC*	U	U	S	U	S	B	U	U	U	U
LEFT BANK FACE *(structure)* *BU/SC*	U	B	B	B	S	U	U	U	U	S
RIGHT BANK FACE *(structure)* *BU/SC*	S	S	B	S	U	S	U	S	U	U
RIGHT BANK-TOP *(structure within 1m)* *BU/SC*	U	U	S	U	U	B	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	SU	TL	TL			

G CHANNEL VEGETATION TYPES *(10m channel section)* *(Use 'Trees' sheet for bankside trees)*

NONE / PLANT GENERA - list first 5				✓						
Bryophytes/lichens	ALGAE									
Emerg broad-leaved herbs	TYPHA									
Emerg reeds/sedges/rushes	CYPERACEAE	✓								
Floating-leaved (rooted)										
Free-floating						E	E	E	E	E
Amphibious	E	E	✓	E		✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	✓							

6871

SITE NO.

1996 RIVER HABITAT SURVEY: BANK SIDE VEGETATION — Page 3 of 4

E BANKSIDE VEGETATION *(within 5m of bankside)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' most vegetation *(TH)*			Suburban/urban development *(SU)*	E	E

F BANK SIDE MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetmented	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

G BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☑	☐

H CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO ACCESSIBLE FLOW

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.5	Bankfull width (m)	2.5	Bankfull height (m)	1.5
Embanked height (m)		Water width (m)	0.75	*Embanked height (m)*	
		Water depth (m)	0.05		

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

J ARTIFICIAL FEATURES

None ☐ Number of Culverts = 1 Weirs = Outfalls = | Fords =
Footbridges = 2 Randbridges = | Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☑ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

L FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

M CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

N NUISANCE/ADVANCE PLANT SPECIES *(Use 'Trees' sheet for bankside trees)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (State) Rhododendron bushes

O OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = CHANNELISED

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

P ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with TEN tweaks for plant genera and freezing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6872

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: BATTLESDEN

Date 23/5/1996 Time 14.53 Surveyor name [illegible] Accreditation code PAYO

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

J NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	5	Unvegetated point bars	
Pools	2	Vegetated point bars	

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IIII) for - Riffles IIII Pools I Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)*

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if fractional fence	(5)	4	(3)	(2)	1						
Material	CC	A	—								→
Bank modification(s)	RI	NO	—								→
Bank feature(s)	NO	NO	SC	NO	VS	NO	SB	SC	NO	NO	→
CHANNEL NEW											
Channel substrate	AR	GP	GP	SA	SA	GP	GP	GP	GP	SA	
Substrate shape	NA	IR	IR	NO	NO	IR	SP	IR	IR	NA	
Flow type	SM	RW	SM	NP	NP	SM	RW	NP	RP	NP	
Channel modification(s)	FO	NO	—								→
Channel feature(s)	NO	—									→ TR
RIGHT BANK TICK if fractional fence											
Material	CL	EA	—								→
Bank modification(s)	RI	NO	—								→
Bank feature(s)	NO	NO	SC	NO	SC	SB	SB	SC	SC	SC	EE

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, HI, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	BL	BL	TH	BL	SU	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	B	U	S	U	S	S	S	U	S	S
LEFT BANK FACE *(structure)* B/U/S/C	B	S	S	S	U	U	S	S	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	B	S	S	C	S	U	U	S	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	S	U	C	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	BL	TH	BL	BL	SC	BL	BL	BL	IL

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥33% area) or tick (present); Stone*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	ALGAE				✓					✓
Emerg broad-leaved herbs	[illegible]									
Emerg reeds/sedges/rushes	[illegible]	✓				✓				
Floating-leaved (rooted)			✓							
Free-floating	L.			E						
Amphibious		✓	✓			✓				
Submergent broad-leaved										
Submerg fine/linear leaved										
Filamentous algae	E	E	E			E	✓	E	E	

SITE NO. 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP AND CHANNEL SKETCH Page 3 of 4

BACKGROUND - WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	✓	✓	Suburban/urban development *(SU)*	E	✓

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

RIVERBANK VEGETATION - TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

RIVER CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): NO RIFFLES — GLIDE - POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

H CHANNEL DIMENSIONS *(to be assessed over a 50m wide transect)*

LEFT BANK		Bankfull width (m)	6.5	RIGHT BANK	
Bankfull height (m)	1.0	Water width (m)	4.0	Bankfull height (m)	1.25
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trapline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

I ARTIFICIAL STRUCTURES *(within 50m of bankfull)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords = 1
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT *(within 50m of bankfull)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

L CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M NOTABLE NUISANCE PLANTS *(within 50m of bankfull)*

None ☐ Giant Hogweed ☑ Himalayan Balsam ☑ Japanese Knotweed ☐ Other (Nettle, Rhododendron bushes)

N RIVER MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - lowland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

O ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (for plant species and fencing) Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6873

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Gipping

Date 23/5 /1996 Time: 13.15 Surveyor name: COWETT Accreditation code: PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

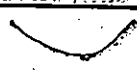
Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

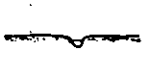
Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

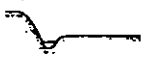

☐ shallow vee


☐ concave/bowl
(If U-shaped glacial valley add "U")


☐ deep vee


☑ symmetrical floodplain


☐ gorge


☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars	
Pools	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use ||||) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA									
Bank modification(s)	NO									
Bank feature(s)	NO	VS	NO							
CHANNEL										
Channel substrate	SA									
Substrate shape	NO									
Flow type	SM	SM	SM	SM	RP	RP	NP	NP	NP	RP
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK TICK if functional fence										
Material	EA									
Bank modification(s)	NO									
Bank feature(s)	NO				VS	SC	NO	VS	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, HN, IC, IW, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH									
LEFT BANK-TOP *(structure within 1m)* BA/S/C	U									
LEFT BANK FACE *(structure)* BA/S/C	U	U	U	S	S	U				
RIGHT BANK FACE *(structure)* BA/S/C	S	R					S	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	U						S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH							RL	R	R

G CHANNEL VEGETATION TYPES *(for whole channel if < 15 m wide, or for 15 m wide transect centred on site if > 15 m wide)*

NONE / PLANT GENERA - list first 5							/			
Bryophytes/lichens	NAPHA2									
Emerg broad-leaved herbs	TYPHA									
Emerg reeds/sedges/rushes	PHRAG	F	F		F	✓		✓		
Floating-leaved (rooted)	POTAMS									
Free-floating	LEMN									
Amphibious					✓					
Submerged broad-leaved		F	F	F	F	F	F	F	F	F
Submerg fine/linear-leaved										
Filamentous algae				F	✓	F	F			✓

6873

SITE NO.

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES Sheet 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.2	Bankfull width (m)	11	Bankfull height (m)	1.25
Embanked height (m)		Water width (m)	9	*Embanked height (m)*	
		Water depth (m)	0.4		

If trashline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

B ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

E CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE ENCROACHING PLANT SPECIES *(for whole channel if < 15 m wide, or for 15 m wide transect centred on site if > 15 m wide)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bushes LARGE STANDS of others

G RIVER AUTOCHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = ABANDONED LAND BESIDE RAILWAY LINE, COVERED WITH NETTLES

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad mayfly - heron - dragonflies/damselflies

Other significant observations:

H ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: CHANNEL AND BANKSIDE FEATURES Sheet 3 of 4

A LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' rank vegetation (TH)	E	E	Suburban/urban development *(SU)*		

B BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

C EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	✓	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

D EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Makers inbed(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: NO RIFFLES ?

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6874

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: DERBEN

Date 5/6/1996 Time 1340 Surveyor name G COLLETT Accreditation code PF10

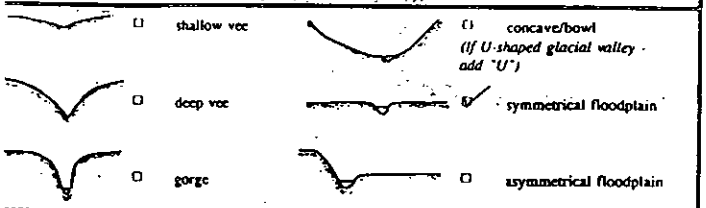
Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 4m wide transect)* ' = euro codes only

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/no fence	→	→	→	→	→	→	→	→	→	→
Material ' HV BE,BO,CO,GS,EA,PE,CL,CC,SI HV CA,SA,SE,SH	BO	CA								
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	RI	NO								
Bank feature(s) HV,NO,EC,SC,PB,VT,SB,VS	NO									
CHANNEL NEW Estimate slope (clock) '	Sp Cr Ch Ri Gl Po Sh Ch Cl Po Ch Ri Gl Po Sh Ch Cl Po Ch Ri Gl Po Sh Ch Cl Po

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6875

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ALDE

Date 5/6/1996 Time: 15:40 Surveyor name G COLLETT Accreditation code. PF10

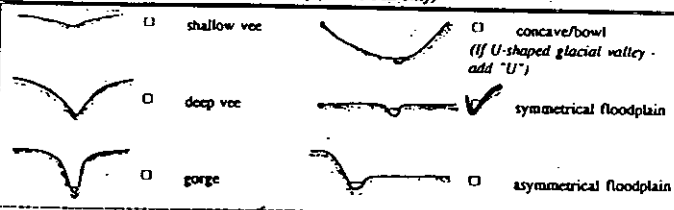
Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* ....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use ||||) for - Riffles | Pools | Unveg side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one entry only

Spot check 1 ex. upstream ✓ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/ fence										
Material *HV,BE,BO,CO,CS,EA,PE,CL,CC,SP,VP,GA,SR,BR,SW*	EA									
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	RS						
Bank feature(s) *HV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	VS	NO	NO	NO	VS	NO	NO	NO
CHANNEL NEW *(Modified Habitat Quality Index)* *(For Grid Reference Special Channel Polygonal Habitat Other Features)*										
Channel substrate * *HV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI									SA
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA									
Flow type * *FF,CH,BW,UW,OF,RP,UP,SM,NP,NO*	SM	NP								
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO									
Channel feature(s) *HV,MO,RO,MB,VB,MI,TR*	NO									
RIGHT BANK TICK if fenced/ fence										
Material *HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,VP,GA,BR,SR,SW*	EA									
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	RS									
Bank feature(s) *HV,MO,EC,SC,PB,VP,SB,VS*	NO									

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	BL	BL	TL				
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	U	S	U	U	U	S	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	S	U	U	U	U	U	U	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	U	U	U	S	U	U	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	B	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL									

G CHANNEL VEGETATION TYPES *(10m wide transect: E (≥33% cover) or tick (present) 500m stretch as a whole)*

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens	S								
Emerg broad-leaved herbs	✓								
Emerg reeds/sedges/rushes	E	✓	✓	✓	✓	E	✓	E	✓
Floating-leaved (rooted)				✓			✓		
Free-floating									
Amphibious	✓	✓	✓			✓	✓	✓	✓	
Submerged broad-leaved			E	E					E
Submerg fine/linear-leaved									
Filamentous algae		✓			E	✓	✓	✓	✓	

SITE NO. — 1996 RIVER HABITAT SURVEY: 500m SWEEP SURVEY — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* *rank vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK MODIFICATIONS *(tick all that apply)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓		Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K POINT OF CHANGE FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: ...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a straight, uniform section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	5.0	RIGHT BANK	
Banktop height (m)	1.25	Water width (m)	4.3	Banktop height (m)	1.25
Embanked height (m)		Water depth (m)	0.20	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(tick appropriate box(es))*

None ☑ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State ...

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(use O or E (≥ 33% bank cover))* IFE note LARGE STANDS of others eg

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS FOUND *(tick all that are appropriate)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? = AGRICULTURE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6876.

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: UN-NAMED TRIBUTARY OF ALDE.

Date: 17/6/1996 Time: 13.25 Surveyor name G.C. Accreditation code. FF19

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (for the assessment increase channel width x 1 m wide transect)

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional zone											
Material	GS	GA	GA	GA	GA	GA	GA	GA	GA	GA	CC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	EC	NO	
CHANNEL TICK if functional zone											
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	
Substrate slope	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Flow type	NP	NP	NP	NP	NP	SM	NP	NP	uP	NP	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional zone											
Material	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	CC
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	SB	SB	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over 10 m wide transect)

Land use: choose one from BL, CP, OR, HR, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	TH	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* MAINS	C	S	S	S	S	U	U	S	U	S
LEFT BANK FACE *(structure)* MAINS	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* MAINS	U	U	U	U	U	U	U	U	S	S
RIGHT BANK-TOP *(structure within 1m)* MAINS	B	B	C	B	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TH	TL	TL	TL

G CHANNEL VEGETATION TYPES (% of bed surface)

NONE / PLANT GENERA - list first 5									✓	✓
Bryophytes/lichens	Call/triche									
Emerg broad-leaved herbs	Apium				✓					
Emerg reeds/sedges/rushes	Lemna	✓								
Floating-leaved (rooted)	Nas.									
Free-floating							✓			
Amphibious						✓		+		
Submerged broad-leaved		✓	E	E	E	E	✓	✓		
Submerg fine/linear-leaved										
Filamentous algae										

IFE NO. 6876 - 1996 RIVER HABITAT SURVEY: SURVEY DETAILS Page 3 of 4

H ENCLOSURE, FENCING AND LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
mixed/wetland woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
orland/heath (MN)			Wetland (eg bog, marsh, fen) (WL)		
ds (SC)			Open water (OW)		
ual herbs" semi vegetation (TH)	✓		Suburban/urban development (SU)		

I BANK CONDITIONS

	L	R		L	R
ered/unmodified			Artificial/modified		
ical/undercut			Reinforced		E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
ds		✓	Reinforced - toe only		
sposits			Artificial two-stage ?		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K GROSS CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Date predominant flow sequence *(select up to three features)*: NO PERCEIVABLE FLOW

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (m)

LEFT BANK		Bankop width (m)	5.5	RIGHT BANK	
Bankop height (m)	1.6	Water width (m)	0.65	Bankop height (m)	1.75
Embanked height (m)	—	Water depth (m)	0.02	*Embanked height (m)*	—

If trafficking lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = | Roadbridges = | Other =

Is water impounded by weir(dam)? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☑ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST (tick appropriate box (all) if present)

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE/DOMINANCE PLANT SPECIES (tick all species present; add stands of others at E)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

R ENVIRONMENTAL ACTIVITIES

Major impacts: bed/d3 - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: AN ABUNDANCE OF TADPOLES.

S VALLEYS (tick appropriate box (es))

Alder? None ☐ Present ☐ Extensive ☑ Disease Alder? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and tracing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6877

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 6.5.1996 Time 16.02 Surveyor name G COLLETT Accreditation code. PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles VARIABLY (APPARENT) | Unvegetated point bars
Pools 3 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use JIII) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel width at 1m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,CB,BA,PE,CL,CC,SP,WP,CA,AR,BR,BW*	CO	CO	CA	CO	CO	CA	CO			
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	–								
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	SC	NO	SB	NO	EC	NO	NO	NO	NO	EC
CHANNEL *NEW - additional shape codes on p3*										
Channel substrate * *MV,BE,BO,CO,CP,BA,SI,CL,PE,AR*	GP	CO	CO	CO	CO	CO	GP	CO	CO	SA
Substrate shape *FL,CV,EL,SP,CU,FO,IR, Others - note*	IR									NO
Flow type * *FF,CH,BW,UW,CF,RP,UP,SH,MP,NO*	FF	RP	UW	UW	RP	UW				
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	No	No								
Channel feature(s) *MV,NO,BO,MB,VB,MI,TR*	No	No								
RIGHT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,CB,BA,PE,CL,CC,SP,WP,CA,BR,SB,BW*	CO	CO	EA	CO	CO	EA	EA	CO		
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO									
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	SC	SC	NO							

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	–					TH	BL	BL
LEFT BANK-TOP *(structure within 1m)* *MS/SC*	U	S	S	S	U	U	B	B	S	U
LEFT BANK FACE *(structure)* *MS/SC*	U	B	S	S	B	U	B			
RIGHT BANK FACE *(structure)* *MS/SC*	U	U	U	B	B	U	U	B		
RIGHT BANK-TOP *(structure within 1m)* *MS/SC*	U	U	S	B	U	U	B	B	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	RP	WL	BL	IG	BL			

G CHANNEL-VEGETATION SYNS *(10m wide transect; E.C. 0-33% cover; M 33-66%; A >66%)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓		✓	✓	✓	✓
Bryophytes/lichens		MOSS								
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious					✓					
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

6877

SITE NO. 6877 — 1996 RIVER HABITAT SURVEY: SITE SKETCH — Page 3 of 4

SURROUNDING LAND USE *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		✓
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*		✓	Suburban/urban development *(SU)*		

BANK PROFILE *(tick one box per bank)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascade(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☑	☐	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☐	☐	☑
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☐	☑	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.4	Banktop width (m)	2.0	Banktop height (m)	1.6
Embanked height (m)		Water width (m)	1.4	*Embanked height (m)*	
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☑ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE NUISANCE PLANT SPECIES *(tick one box per species; indicate if large stands of other sp.)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle, Rhododendron bracken

G OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

H ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE blocks for plant genera and fencing Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6878

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: A FAN CYCH

Date: 11/5/1996 Time: 09.15 Surveyor name: G OLIVER Accreditation code: PFA

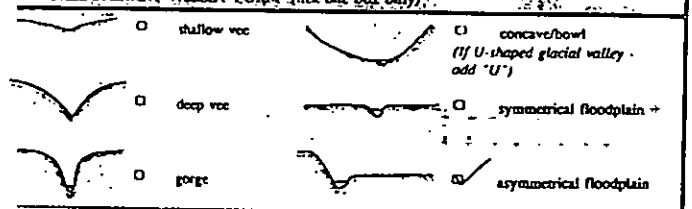
Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*



○ shallow vee ○ concave/bowl *(If U-shaped glacial valley - add "U")*

○ deep vee ○ symmetrical floodplain

○ gorge ✓ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total observed)*

Riffles	3	Unvegetated point bars	
Pools		Vegetated point bars	

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO I. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Sheet 2 of 4

TALLY (one per) for - Riffles III Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES

Spot check 1 = upstream ○ downstream ✓	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if fractional feature											
Material	GA	EA	CC	EA	—				→	GS	
Bank modification(s)	NO	NO	RI	NO						→	
Bank feature(s)	SB	SC	NO	NO	EC	NO	NO	SC	SC	NO	
CHANNEL NEW - vegetation always noted											
Channel substrate	CO	CO	BE	CP	GP	GP	CO	CP	SP	CP	CC
Substrate shape	IR	IR	NO	FL	IR	—				→	
Flow type	UN	UN	SM	SM	SM	RP	BW	RP	RP	RP	
Channel modification(s)	NO	—								→	RI
Channel feature(s)	NO	RI/RD	NO	NO	NO	MB	NO	—		→	MB
RIGHT BANK TICK if fractional feature											
Material	GA	EA	CC	BO	GA	EA	BE	EA	CA	EA	
Bank modification(s)	NO	NO	RI	NO	—					→	
Bank feature(s)	SC	EC	NO	NO	SC	SC	NO	NO	NO	VS	

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from AL, CP, OR, WH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	AL	TL	TL	IG					→
LEFT BANK-TOP *(structure within 1m)* BANKSIDE	S	U	B	U	—					→
LEFT BANK FACE *(structure)* BANKSIDE	S	S	B	S	S	S	S	S	U	S
RIGHT BANK FACE *(structure)* BANKSIDE	S	B	B	B	S	U	B	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BANKSIDE	U	U	B	S	U	B	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	SU	SU	SU	SU	SU	SU	RP	SU	BL

Q CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5	✓	✓	-				✓	✓	✓		
Bryophytes/lichens	Juncus									✓	
Emerg broad-leaved herbs	Algae										
Emerg reeds/sedges/rushes	Mark										
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved				✓	✓	✓					
Filamentous algae			✓								

SITE NO. 6878

L BANK AND RIGHT BANK TOP LAND USE

	L	R
conifer/mixed woodland (BL)		✓
coniferous plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)		
scrub (SC)		
tall herbs* and vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	€	
Tilled land (TL)	€	
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		€

M BANK MATERIAL (SUBSTRATE)

	L	R
Natural/semi-natural		
artificial/underscour	€	€
artificial + toe		
Steep (>45°)	€	€
Gentle		
opposite		

	L	R
Artificial/modified		
Reinforced		
Reinforced - whole bank	✓	✓
Reinforced - top only		
Reinforced - toe only	✓	
Artificial two-stage		
Poached		
Embanked		
Set-back embankment		

N WOODY VEGETATION AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	✓
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	○	✓	○
Underwater tree roots	○	✓	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

O INSTREAM VEGETATION AND OTHER FEATURES

	None	Present	E
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	○	✓	○
Riffle(s)	○	✓	○
Run(s)	○	○	✓
Brid(s)	✓	○	○
Glide(s)	○	○	✓
Pool(s)	✓	○	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	✓	○
Exposed bedrock	○	✓	○
Exposed boulders	○	✓	○
Unvegetated mid-channel bar(s)	○	✓	○
Vegetated mid-channel bar(s)	○	✓	○
Mature island(s)	○	✓	○
Unvegetated side bar(s)	○	✓	○
Vegetated side bar(s)	○	✓	○

cate predominant flow sequence *(select up to three features)*: RIFFLE/RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Sheet 4 of 4

C CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	11.5	RIGHT BANK	
Bankfull height (m)	1.75	Water width (m)	9.5	Bankfull height (m)	1.5
Embanked height (m)		Water depth (m)	0.6	Embanked height (m)	

If trampling lower than bankfull break in slope, indicate: height (m) = width(s) m =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ *(tick one box)*

D ARTIFICIAL FEATURES

None ○ Number of Culverts = Weirs = Outfalls = Fords = 1
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

E EVIDENCE OF RECENT MANAGEMENT

None ✓ Dredging ○ Mowing ○ Weed-cutting ○
Embankment ○ Other ? State .....

F FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	✓				
Waterfalls > 5m high	○	Artificial open water	○	Bog	○
Braided/side channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Pools	○

Other (state) .....

G CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

H ADJACENT RIPARIAN VEGETATION

None ○ Giant Hogweed ○ Himalayan Balsam ✓ Japanese Knotweed ○ Other? Nettle, Rhododendron bushes

I OVERALL CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - bankland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

J ALDERS *(tick appropriate box(es))*

Alders? None ○ Present ○ Extensive ✓ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: GB79

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: AFON CERI - TRIBUTARY OF TEIFI

Date 7/6/1996 Time: 11.34 Surveyor name G COUETT Accreditation code PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	7	Unvegetated point bars	2
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for · Riffles HH II Pools Unveg. side bars || Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within ± 1m wide transect)* ' = spot entry only

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional fence	→	→	→	→	→	→	→	→	→	→	FB
Material ' HV,BE,BO,CO,GB,EA,PE,CL,CC,SP,WP,GA,SR,RR,RW	GA										CO
Bank modification(s) HE,HO,RS,RI,PC,RM,EM	NO										PC
Bank feature(s) HV,HO,EC,SC,PB,VP,SB,VS	NO	NO	EC	NO	NO	NO	SC	EC	→		
CHANNEL NEW: substrate, shape codes	Tick one in each column: Channel colour, Flow type, Shape, Other features										
Channel substrate ' HV,BE,BO,CO,GP,SA,SI,CL,PE,AR	CO	CO	GP	GP	GP	SA	GP	CO	CP	GP	
Substrate shape FL,OV,EL,SP,CU,PO,IR, Others - note	IR	IR	IR	IR	IR	NO	IR	IR	IR	IR	
Flow type ' FT,CH,RW,UW,CF,BF,UP,SM,HP,NO	RP	UW	BW	RP	RP	SM	RP	UW	RP	UW	
Channel modification(s) HE,HO,CV,RS,RI,DA,FO	NO	→									
Channel feature(s) HV,HO,BO,MB,VB,MI,TR	NO	NO	VB	NO	→						
RIGHT BANK TICK if functional fence											
Material HV,BE,BO,CO,GB,EA,PE,CL,CC,SP,WP,GA,SR,RR,RW	GA	→									CO
Bank modification(s) HE,HO,RS,RI,PC,RM,EM	NO	→									
Bank feature(s) HV,HO,EC,SC,PB,VP,SB,VS	VS	NO	NO	EC	SB	NO	SP	SC	SB	PB	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IT, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SC	BL	→							IG
LEFT BANK TOP *(structure within 1m)* BAT/SC	U	S	S	U	S	U	C	S	V	U	
LEFT BANK FACE *(structure)* BAT/SC	S	S	C	U	S	U	S	S	B	B	
RIGHT BANK FACE *(structure)* BAT/SC	B	V	B	B	U	U	S	B	→		
RIGHT BANK TOP *(structure within 1m)* BAT/SC	U	S	U	U	U	S	U	U	S	U	
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	SC	BL	RP	→			

G CHANNEL VEGETATION TYPES *(10m wide transect; ✓ = >33% area) or tick (present) SOO*

NONE / PLANT GENERA - list first 5			✓		✓	✓		✓	✓	
Bryophytes/lichens	APH									
Emerg broad-leaved herbs	?			✓						
Emerg reeds/sedges/rushes	✓						✓			
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad-leaved		✓		✓						
Submerg fine/linear-leaved	✓									
Filamentous algae										

SITE NO. GB79 — 6979

1996 RIVER HABITAT SURVEY: 500m SWEEP UP AND DOWNSTREAM

H CONDITIONS WITHIN 50m OF BANKTOP (L) (R)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)	✓	

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☑	☐

K CHANNEL STRUCTURES AND FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

J CHANNEL DIMENSIONS *(to be measured at one of the transects, on a straight section of channel, preferably about 5 widths)*

LEFT BANK				RIGHT BANK
Banktop width (m)			6	Banktop width (m)
Banktop height (m)	0.75	Water width (m)	5.5	Banktop height (m)
Embanked height (m)		Water depth (m)	0.4	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES *(total number of each appropriate box)*

None ☑ Number of Culverts = Weirs = Outfalls = | Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ☐	Fen ☐	Flush ☐		

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *Use 0 or E (≥ 33% bank(s)) etc. IFE note LARGE STANDS of others eg*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = NONE PRESENT

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = NONE PRESENT

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS (version 4)

Reference network site number: 6880

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 6.6.1996 Time: 9.20 am Surveyor name Ian Thorns Accreditation code PT36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 14 Unvegetated point bars 4

Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IMI) for - Riffles /// /// /// /// Pools Unveg point bars /// Veg point bars /

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = code daily only

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	BO	EA	EA
Bank modification(s)	NO	NO	NO	NO	PC	NO	NO	RI	PC	NO
Bank feature(s)	SC	EC	EA	SC	EC	NO	EC	NO	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	FL	IR	IR
Flow type *	RP	RP	SM	RP	UW	SM	SM	BW	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NK	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	TR	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	BO	RR	EA
Bank modification(s)	NO	NO	NO	NO	PC	NO	NO	RI	RA	NO
Bank feature(s)	NO	PB	SC	SP	PB	EC	SC	NO	NO	EC

P BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, HH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	IG	IG	BL	IG	BL	BL	BL	IG
LEFT BANK-TOP *(structure within 1m)* BA/S/C	C	S	U	S	U	U	U	C	C	S
LEFT BANK FACE *(structure)* BA/S/C	C	B	B	S	B	U	B	B	S	S
RIGHT BANK FACE *(structure)* BA/S/C	U	U	S	U	U	B	S	B	B	B
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	U	U	U	U	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

Q CHANNEL VEGETATION TYPES *(for each transect, 1-3 plant genera, dominant first)*

NONE / PLANT GENERA - list first 5			✓							
Bryophytes/lichens	✓						✓	✓		
Emerg broad-leaved herbs		✓		✓	✓	✓	✓			
Emerg reeds/sedges/rushes							✓			
Floating-leaved (rooted)							✓		✓	
Free-floating										
Amphibious	✓	✓		✓	✓	✓	✓	✓	✓	
Submerged broad-leaved										
Submerg fine/linear-leaved					✓	✓	✓	✓		
Filamentous algae		✓								

SITE NO. 6880 1996 RIVER HABITAT SURVEY: SWEEP-UP CHECKS Page 3 of 4

H LAND USE WITHIN 50m OF SURVEY (sweep-up) *(tick all types present)*

	L	R		L	R
...ndleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
...rland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...n *(SC)*			Open water *(OW)*		
...tall herbs" *rank vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK MODIFICATIONS (sweep-up) *(tick all types present)*

	L	R		L	R
...ural/unmodified			Artificial/modified		
...ical/undercut	E	E	Recectioned		
Vertical + toe	✓	✓	Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
...ic	E	E	Reinforced - toe only	✓	✓
...posite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J DOMINANT ADJACENT AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K WATERCOURSE AND ASSOCIATED FEATURES

	Nopd	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Bowl(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

...atic predominant flow sequence *(select up to three features)*: Riffle - Run / Glide

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	7.5	RIGHT BANK	
Banktop height (m)	0.9	Water width (m)	5.5	Banktop height (m)	1.5
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF PARTICULAR INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OTHER FEATURES

Major impacts: bankfill - tipping - effluent - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large meander with scour. Large point bars & eroding cliffs. Trees cleared from banks - some bank detrimental effect to banks and are now falling in (esp on bends)

S ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

channel modified - places with bunkers placed as below → apparently anglers boards attempt to create suitable pools

Flow → e.g. Spot check 8

A BACKGROUND MAP INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B LOCATION AND SURVEY DETAILS

Reference network site number: 6881

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: DULAS

Date 4/6/1996 Time: 3.45 pm Surveyor name: Ian Flows Accreditation code: PF32

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (at location)

☐ shallow vee — ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D CHANNEL DIMENSIONS AND FORM (at location)

Riffles 5 — Unvegetated point bars 0

Pools 0 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IAN DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E RIVERBANK SURVEY (500m SURVEY REACH)

IFE Survey No. 6881 — River Dulas — Date 4/6/96 — Surveyor Ian Dawson

PHYSICAL ATTRIBUTES

Spot check No. upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
VEGETATION SURVEY										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	S	RS	RS	RS
Bank feature(s)	SC	NO	NO	NO	NO	SC	SC	NO	NO	NO
LEFT BANK										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	SM	SM	SM	RP	SM	SM	SM	RP	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	SC	SC	EC	NO	NO	NO
PLANT/LAND USE INFORMATION: STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	U	U	U	U	S	U	U	U	U	U
LEFT BANK FACE (structure)	B	U	B	U	S	S	S	S	S	S
RIGHT BANK FACE (structure)	U	S	S	S	B	S	U	U	U	S
RIGHT BANK-TOP (structure within 1m)	U	C	U	C	U	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
PLANT/LAND USE INFORMATION: PLANTS										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	E	/	/	/	/	/	/	/
Emerg reeds/sedges/rushes										/
Floating-leaved (rooted)	/	/	/	/	/		/	/		/
Free-floating									/	/
Amphibious		/	/		/		/			
Submerged broad-leaved	/	/				/			/	/
Submerg fine/linear-leaved	E	E	E	/	E	/	/	E	E	E
Filamentous algae										

F RIVERBANK SURVEY (500m SURVEY REACH)

IFE Survey No. 6881 — River Dulas — Date 4/6/96 — Surveyor Ian Dawson

PLANT/LAND USE INFORMATION: STRUCTURE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)			Suburban/urban development (SU)		

ENGINEERING

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recetioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched	✓	✓
			Embanked		
			Set back embankments		

TREES (*tick one box per bank*)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES (*tick one box per feature*)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Deep(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE - RUN

G RIVERBANK SURVEY (500m SURVEY REACH)

IFE Survey No. 6881 — River Dulas — Date 4/6/96 — Surveyor Ian Dawson

CHANNEL DIMENSIONS (*to be completed at each site and at mid-point between sites*)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.5	Banktop width (m)	4.8	Banktop height (m) 0.5
Embanked height (m)		Water width (m)	4.5	Embanked height (m)
		Water depth (m)	0.3	

If trapezium: lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of Culverts = Footbridges = 0 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MAINTENANCE

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State: .....

NATURAL FEATURES (*tick all that apply*)

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

CHOKED FLUNKS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NON-NATIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: [illegible]

BANKSIDE TREES

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

SURVEY DETAILS AND SITE LOCATION

Reference network site number: 6862

Mid-site grid reference of network site if different from designated location:

Grid Reference: 651411 River: TURCH

Date: 5.6.1996 Time: 1.45 pm Surveyor name: Lanthorn Accreditation code: OPF36

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

BROAD NATURAL VALLEY FORM (tick one only)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl (If U-shaped glacial valley - add 'U')
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐

IFE - VALLEY FORM NOTES:

RIFFLES, POOLS AND POINT BARS (in sampled section)

Riffles 6
Pools 5
Unvegetated point bars 1
Vegetated point bars 1

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
AWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVERBANK VEGETATION SURVEY (Sections 1-10)

Spot check 1 is upstream of downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (see list)	EA	EA	EA	GA	RR	RR	GA	RR	RR	GA
Bank modification(s)	NO	NO	RS	NO	RS	RS	RS	RI	RI	NO
Bank feature(s)	SB	NO	NO	EC	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	FL	FL	IR	IR	FL	IR	IR	IR
Flow type	RP	RP	SM	SM	RP	UH	RP	RP	RP	UH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material (see list)	RR	RR	RC	GA	EA	EA	GA	GA	EA	EA
Bank modification(s)	RI	RI	RI	NO	NO	NO	RS	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	PB	NO	EC	NO	SB	NO

RIPARIAN LAND USE AND VEGETATION STRUCTURE (Sections 1-10)

Land use, choose one from: AR, CP, OR, WH, RC, TH, RT, RO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m)	C	U	S	C	B	S	C	S	C	U
LEFT BANK FACE (structure)	C	S	C	B	B	B	C	S	S	S
RIGHT BANK FACE (structure)	B	S	S	S	S	U	B	S	S	B
RIGHT BANK TOP (structure within 1m)	S	U	U	C	S	S	S	S	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SC	SC	SC	IG	IG	IG	IG

RIPARIAN VEGETATION (Sections 1-10)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓		✓	✓	✓			✓	
Emerg broad leaved herbs	✓	✓				✓	✓			
Emerg reeds/sedges/rushes				✓				✓		
Floating leaved (rooted)										
Free-floating										
Amphibious	✓		✓		✓	✓	✓		✓	
Submerged broad leaved										
Submerg fine/dissect leaved										
Filamentous algae						✓				

RIVER HABITAT SURVEY 500 m STEP UP

SUBSTRATE - % OF CURRENT PLACE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Herbs' and vegetation (TH)			Suburban/urban development (SU)		

BANK STRUCTURE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Revetmented	E	E
cliff + toe			Reinforced - whole bank		
(>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	6 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

WATERCOURSE FEATURES

	None	Present	6
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☑	6
Run(s)	☐	☑	1
Pool(s)	☑	☐	1
Glide(s)	☐	☑	1
Pool(s)	☑	☐	1

	None	Present	6 (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☐	☑	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Inc' predominant flow sequence (select up to three features): RUN RIFFLE GLIDE

RIVER HABITAT SURVEY AND PERSONS AND DUE FRIENDS

CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m) 12.25		RIGHT BANK
Banktop height (m) 1.2		Water width (m) 9.75		Banktop height (m) 1.1
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

CULVERTS, WEIRS, FORDS AND OUTFALLS

None ☐ Number of: Culverts = Footbridges = Weirs = Roadbridges = 1 Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT OR PLANNED CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State .....

FEATURES OF ARTIFICIAL INFLUENCE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) ..
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pea ☐ Flush ☐

CHOKED CHANNEL (Sections 1-10)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS (Sections 1-10)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER INFLUENCES (Sections 1-10)

Major impacts: land-fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations: Lots of flap-flop reinforcement but difficult to tell how much bank reinforcement had taken place

SURVEY DETAILS (Sections 1-10)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1990 RIVER HABITAT SURVEY: Field methods for physical features and recording sheets — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/Km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6885

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 952490 River: DULAS

Date: 12.6.1996 Time: 09:30 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photographs general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (count each feature)

Riffles | 0 Unvegetated point bars |

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1990 RIVER HABITAT SURVEY: SPOT CHECKS — Page 2 of 4

TALLY (use 'dd') for - Riffles | Pools | Unvegetated point bars | Vegetated point bars

A HABITAT CLASSIFICATION

Spot check 1 (1: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
B CHANNEL SPOT CHECKS										
Material * (BE,BO,CO,CB,BA,PE,GL,CC,SI,VF,F,SM,SW,A)	EA	EA	BR	EA	EA	EA	CO	CO	EA	SA
Bank modification(s) (NE,NO,RS,RI,PC,SW,EW)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	NO	SB	NO	PB	SB	NO	SB
C CHANNEL SPOT CHECKS										
Channel substrate * (BE,BO,CO,CB,GP,SA,SI,CL,PE,AR)	GP	GP	CO	GP	GP	GP	GP	CO	CO	GP
Substrate shape (FL,CV,ID,SP,CU,PO,IR, Others - use)	FL	IR	IR	FL	IR	FL	FL	IR	IR	FL
Flow type * (FF,CH,SW,UW,CF,SF,UP,SM,NP,NO)	RP	UW	SM	UW	UP	UW	SM	UW	UW	UW
Channel modifications(s) (NE,NO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV,NO,RO,MS,VB,MI,TR)	NO	NO	NO	NO	NO	NO	NO	MI	MB	NO
D RIGHT BANK SPOT CHECKS (vertical/bank face)										
Material * (BE,BO,CO,CB,SA,PE,CL,CC,SI,VF,C,SM,SW,A)	EA	EA	EA	EA	RR	EA	RR	EA	EA	EA
Bank modifications(s) (NE,NO,RS,RI,PC,SW,EW)	NO	NO	NO	NO	RI	NO	RI	NO	NO	NO
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	SC	SC	NO	SC	NO	SC	NO	NO

E BANKTOP LAND USE AND VEGETATION STRUCTURE (in the vertical area, a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, IN, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	KA	SU	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BANDC	U	U	B	U	U	U	S	S	U	U
LEFT BANK FACE (structure) BANDC	C	S	U	C	S	C	B	B	C	S
RIGHT BANK FACE (structure) BANDC	C	S	S	C	B	S	B	C	C	C
RIGHT BANK-TOP (structure within 1m) BANDC	U	U	C	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	BL	IG	IG	IG	IG	RA	IG	IG

F PLANT SPECIES LIST (Bankside and Channel)

NONE / PLANT GENERA - List first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓		✓	✓
Emerg broad-leaved herbs Persic		✓	✓				✓	✓	✓	✓
Emerg reeds/sedges/rushes Juncus				✓	✓					✓
Floating leaved (rooted)										
Free-floating										
Amphibious										✓
Submerged broad-leaved									✓	
Submerg fine/lacier-leaved										
Filamentous algae										

SITE NO. 6885

G BANKSIDE LAND USE (within 50m of bankside)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* road vegetation (TH)			Suburban/urban development (SU)	✓	✓

H BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recectioned		
Vertical < 1m	✓		Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set back embankments		

I TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

J CHANNEL FEATURES

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascades(s)	✓	☐	☐
Rapid(s)	☐	✓	☐
Riffle(s)	☐	☐	✓
Run(s)	☐	✓	☐
Bay(s)	☐	✓	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	☐	✓	☐
Mature island(s)	☐	✓	☐
Unvegetated side bar(s)	☐	✓	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): RIFFLE - GLIDE (RW)

1990 RIVER HABITAT SURVEY: DIMENSIONS AND OBSTRUCTIONS — Page 3 of 4

K CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	9.7	RIGHT BANK	
Bankfull height (m)	1.1	Water width (m)	6.2	Bankfull height (m)	1.1
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)	

If trapezium lower than bankfull break in slope, indicate: height (m) = 0.75 width(m) = 8.5

Bed material at site is: consolidated (cobbles) ☐ (BE) unconsolidated (loose) ☐ unknown ☐ .....

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

L OBSTRUCTIONS

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = 1 Fords = Other = RAILBRIDGE = 1

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State: .....

N CHANNEL CONTROLS

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☒	Fen	☐	Flush	☐

O CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

P INVASIVE PLANTS ALONG SURVEY

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

Q OTHER OBSERVATIONS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - bombing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GRAZING (sheep)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree - lined meandering channel

MI + RI bank towards D/s end.

R ALDERS

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with 100 yards for plant species and species list Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 6886

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 087473 River: WYE (Tr:b 82)

Date 10.6.1996 Time: 15.00 Surveyor name(s): STEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☒ concave/bowl *(If U-shaped glacial valley add "U") (Sec below)*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if data missing)*

Riffles 8 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with IN STREAM Page 2 of 4

FALLY (use DIFI for - Riffles ☒ Pools ☐ Unveg side bars ☐ Veg point bars ☐

IN STREAM FEATURES (Site by site and across channel)

Spot check 1 a upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BE	BE	BE	EA	BE	BE	EA	EA	EA	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	PC	NO	NO	NO
Bank feature(s)	NO	NO	NO	VS	NO	NO	NO	VS	SB	NO
CHANNEL										
Channel substrate	CO	BE	SP	CO	BE	SP	CO	CO	CO	CO
Substrate shape	FL	FL	AV	FL	FL	FL	DR	FL	DR	FL
Flow type	LW	UN	NP	SM	RP	UW	UW	UN	BW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	RO	RO	RO	NO
RIGHT BANK										
Material	CO	CO	BE	BE	BE	BE	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VS

F. BANKTOP/LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, IL, WL, OW, EU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	C	C	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	C	C	S	S	C	S	S	C	S
RIGHT BANK FACE (structure)	S	S	C	S	C	C	C	C	C	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	S	S	S	S	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	BL	RP	BL	BL	BL	BL

G. CHANNEL VEGETATION (Plant Cover)

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘
Emerg broad leaved herbs Persicaria	↘		↘		↘	↘	↘	↘	↘	↘
Emerg reeds/sedges/rushes Phalaris			↘		↘	↘			↘	↘
Floating leaved (rooted)										
Free-floating										
Amphibious Myriophyllum									↘	↘
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae	↘	↘	↘	↘	↘	↘	↘	↘	↘	↘

E NO. 6886 1996 RIVER HABITAT SURVEY SITE PHOTOGRAPHS Page 3 of 4

SURROUNDING LAND USE (within 50m of banktop)

	L	R		L	R
...ified/mixed woodland (WL)	↘	E	Rough pasture (RP)		↘
...ferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
...ard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
... (SC)			Open water (OW) (ARTIFICIAL) Pond	↘	
...herbs' rank vegetation (TH)			Suburban/urban development (SU)		

BANK MATERIAL AND STRUCTURE

Natural/unmodified	L	R	Artificial/modified	L	R
...al/moderate	E	↘	Reinforced		
...al + toe	↘	↘	Reinforced - whole bank		
...steep (>45°)	E	E	Reinforced - top only		
Gentle	↘	↘	Reinforced - toe only		
...ecific			Artificial two-stage		
			Poached	↘	↘
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

IN-CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☒	☐	Exposed boulders	☐	☒	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

...e predominant flow sequence *(select up to three features)*: RIFFLE - POOL-GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND DISCHARGE Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	14.0	Banktop height (m)	1.5
Embanked height (m)	—	Water width (m)	9.5	Embanked height (m)	—
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = 0.75 width (m) = 12.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

LOCATION OF PLANT SPECIES RECORDED

None ☐
Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

PLANT SPECIES RECORDED

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron Bracken

OVERALL CHANNEL MANAGEMENT NEEDS

Major Impacts: bed(d) ~~bank(s)~~ flow/ erosion - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bunding - relining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = . . .

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: Trout (5/200) otter - mink - water vole - kingfisher - dipper (grey wagtail) - mud martin - heron - dragonflies/damselflies

Other significant observations: Interesting channel - 1Bk's 5) BE (25 - Pool)
Tree-lining, with BL on LHB.

ALDER

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with modifications) scores and codes — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6887

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 186472 River: BACH.

Date 14/6/1996 Time 11.30 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES AND POOLS IN SURVEY REACH

Riffles 23 Unvegetated point bars 1

Pools 12 Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (with modifications) SPOT CHECKS — Page 2 of 4

TALLY (use full) for - Riffle | Pool | Unveg point bars | Veg point bars

H PHYSICAL ATTRIBUTES (to be measured across channel profiles 1 m wide)

Sp = check 1 in: upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10	*
I BANK AND SUBSTRATE											
Material * (BE,BO,CO,GF,SA,SI,CL,PE,AR,ZZ,ZM)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (ME,PO,ES,SE,PC,SM,ZM)	NO	NO	NO	NO	NO	PC	NO	NO	NO	NO	NO
Bank feature(s) (BP,PO,EC,SC,PB,TT,SB,TS)	NO	SC	SC	SB	NO	NO	NO	SC	SB	SB	
J CHANNEL											
Channel substrate * (BE,BO,CO,GF,SA,SI,CL,PE,AR)	SP	CO	SI	SP	SP	CO	CO	CO	CO	CO	
Substrate shape (FL,OV,EL,IF,CU,PO,IR, Other - note)	OV	IR	WA	FL	IR	IR	IR	FL	FL	FL	
Flow type * (FF,GR,RW,UW,CF,SF,UF,SM,MF,PO)	UW	NP	NP	UW	UW	UW	UW	SM	UW	SM	
Channel modification(s) (ME,PO,CV,RS,RI,DA,ZZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	DA	
Channel feature(s) (BP,PO,RO,WE,VB,MI,TS)	NO	NO	NO	NO	NB	RO	RO	NO	MI	NO	VR
RIGHT BANK (looking downstream)											
Material * (BE,BO,CO,GF,SA,SI,CL,PE,AR,ZZ,ZM)	EA	EA	EA	EA	BW	EA	EA	EA	EA	EA	
Bank modification(s) (ME,PO,ES,SE,PC,SM,ZM)	NO	NO	NO	NO	RI	PC	NO	NO	NO	NO	
Bank feature(s) (BP,PO,EC,SC,PB,TT,SB,TS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, HN, SC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	BL	IG	K	IG	IG	BL	BL	K	
LEFT BANK-TOP (structure within 1m) BANKSIDE	S	C	C	S	S	U	U	S	S	U	
LEFT BANK FACE (structure) BANKSIDE	C	C	C	C	C	S	S	C	C	S	
RIGHT BANK FACE (structure) BANKSIDE	S	S	C	S	U	S	S	S	S	S	
RIGHT BANK-TOP (structure within 1m) BANKSIDE	C	S	S	U	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	IG	IG	IG	IG	RD	IG	IG	

G PLANT SPECIES (within 1m of waterline)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											
Emerg broad-leaved herbs (Persic)	✓	✓	✓	✓		✓	E	✓	✓	✓	✓
Emerg reeds/sedges/rushes (Phalaris)	✓	✓		✓	✓						✓
Floating leaved (rooted)											
Free-floating											
Amphibious (Nasturtium agg)											✓
Submerged broad leaved											
Submerg fine/filmy-leaved											
Filamentous algae											

SITE NO. 6887 | 1996 RIVER HABITAT SURVEY SPOT CHECKS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (LEFT AND RIGHT BANK)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Natural (eg bog, marsh, fen) (WL)		E
Scrub (SC)			Open water (OW)		✓
Tall herbs* road vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			(Protected) Reinforced - whole bank		✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

K CHANNEL MODIFICATIONS AND DEPOSITS

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

L CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	☐	✓	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Mature island(s)	☐	✓	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	☐	✓	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - POOL - GLIDE.

⊕ v good habitat.

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

M CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.5	Banktop width (m)	4.5	Banktop height (m)	0.5
Embanked height (m)	—	Water width (m)	3.5	Embanked height (m)	—
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = — width (m) = (i.e 2.5 , 4.5)

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

N NATURAL INFLUENCES

None ☐ Number of Culverts = Footbridges = 1 Weirs = 4 Roadbridges = Other = Outfalls = Fords = .

Is water impounded by weirs/dam? No ☐ Yes, <33% of site ✓ >33% of site ☐

O MAN-MADE INFLUENCES

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

P RIPARIAN LAND USE

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ✓ Leafy debris ✓

Artificial open water (mainly pond) ✓ Natural open water ☐ Water meadow ☐ Fen ☐

Bog ☐ Carr ✓ Marsh ✓ Flush ☐ Other (state) WET MEADOW (NB)

Q CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

R BANKSIDE VEGETATION

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

S OTHER OBSERVATIONS

Major impacts: land-fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: not-mown - buffer strip - headland - abandoned land - parkland - MoD - other? =DEER, CARNAGE (cull)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron † dragonfly/damselflies

Other significant observations: Upstream ½ more natural; lower ½ influenced by small weirs + enclosed by 2m+ high fence (Deer farming). Channel still maintains natural character, though!

T MACROPHYTES (aquatic plants)

Algae? None ☐ Present ☐ Extensive ✓ Diatomed Algae? None ✓ Present ☐ Extensive ☐

(NB) Wet meadow (RHQ) top ½ - excellent natural meadow, v. good plant diversity. Not often seen!

† Libellula sp. Pyrrhosoma nymphula. Enallagma cyathigerum

1996 RIVER HABITAT SURVEY SITE No. 6888 Sheet 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 6888

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 229429 River: WYE

Date: 14/6/1996 Time: 09:30 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

DOMINANT CHANNEL SUBSTRATE COUNTS (tick/tally; total number)

Riffles 2 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECK Sheet 2 of 4

TALLY (use DAT) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across Channel, Bankside & wide (transect) (E.g. use 10m intervals)

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECKS (if present)										
Material (BE,BO,CO,CB,EA,PE,CL,CC,SI,-W,GA,AS,AR)	EA	EA	EA	EA	EA	BE	BE	EA	EA	EA
Bank modifications(s) (RE,JO,RS,RI,PC,BM,FN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (WP,NO,EC,SC,PB,-P,SB,-VS)	VS	VS	NO	NO	NO	NO	NO	NS	VS	VS
CHANNEL										
Channel substrate (BW,BE,BO,CO,GP,SA,SI,CL,PE,AR)	CO	CO	CO	CO	BE	BE	BE	NV	BE	BE
Substrate shape FL,CV,EL,SP,CU,FO,IR, Other = none	CV	NV	NV	NV	NA	NA	NV	NA	NA	NA
Flow type (FF,CH,RW,UW,CF,SF,UF,SM,WP,NO	UW	UW	UW	UW	UW	UW	UW	RO	RP	SM
Channel modifications(s) (RE,NO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (WP,NO,RO,WB,VB,NI,IS)	VB	RO	NO	NO	NB	NB	NO	NO	VB	RO
RIGHT BANK (TICK if functional fence)										
Material (BE,BO,CO,CB,EA,PE,CL,CC,SI,-W,GA,AS,AR)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) (RE,NO,RS,RI,PC,BM,FN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (WP,NO,EC,SC,PB,-P,SB,-VS)	VS	VS	NO	SB	VS	PB	VS	NO	NO	NO

P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	RL	TH	IG
LEFT BANK-TOP (structure within 1m) NAT/SEC	C	C	C	C	C	C	C	S	S	U
LEFT BANK FACE (structure) NAT/SEC	C	C	S	S	S	S	S	C	S	C
RIGHT BANK FACE (structure) NAT/SEC	S	S	S	S	S	U	C	C	S	S
RIGHT BANK-TOP (structure within 1m) NAT/SEC	C	C	U	S	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IG	TH	TH	TH	TH	IG	IG	IG

PLANT SPECIES LIST (Aquatic & Bankside)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs Ep.lob. Berool.	✓	✓						✓	✓	✓
Emerg reeds/sedges/rushes Phalaris	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓		✓					✓	✓	✓
Submerged broad-leaved										
Submerg fine/linear-leaved	✓		✓							✓
Filamentous algae							✓		✓	✓

SITE NO. 6888 1996 RIVER HABITAT SURVEY SPOT CHECK Sheet 3 of 4

BANKSIDE VEGETATION (Aquatic & Bankside)

	L	R		L	R
Coniferous/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Deciduous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)	✓	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs' semi vegetation (TH)	✓	✓	Suburban/urban development (SU)		✓

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		✓	Recectioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	E	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Variable		E	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

BANKSIDE FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	☐
Continuous	✓	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	☐	✓	☐	Exposed bedrock	☐	☐	✓
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	☐	✓	☐
Boil(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	☐	✓
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	☐	✓

Note predominant flow sequence (select up to three features): RIFFLE (- GLIDE)

1996 RIVER HABITAT SURVEY DIMENSIONS AND FEATURES Sheet 4 of 4

CHANNEL DIMENSIONS (to be assessed over a 10m wide transect)

LEFT BANK				RIGHT BANK	
Banktop height (m)	3.0	Bankfull width (m)	97.0	Banktop height (m)	3.0
Embanked height (m)		Water width (m)	750	Embanked height (m)	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = [Ponds =
Footbridges ✓ Roadbridges = Other =
Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

RECENT RIVER CHANNEL MANAGEMENT (within last 5 years)

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

NATURAL FEATURES (within channel)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

CHOKING PLANTS

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE PLANTS (within channel & on bankside)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER FEATURES

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Glyphosate Epibloc

Animals: otter - mink - water vole (kingfisher) dipper - grey wagtail - mud martin - heron - dragonfly damselflies

Other significant observations: Channel with large features! Have BE in mid-RHS section, RHS is CO.

ALDERS

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6892

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 610426 River: FROME

Date 3.1.5.1996 Time: 9:00 Surveyor name: P. Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* slightly flooded

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? (duplicate will be made by scanning) No ☐ Yes ☑ *(tick one box)*

and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 4 Unvegetated point bars

Pools Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 𝍸 for 5) for · Riffles | | | Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = asc entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *MM,BE,BO,CO,GR,SA,PE,CL,CC,SP,WP,GA,BR,SH,SW*	EA	EA	EA	EA	EA	AR	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	No	No	No	No	RD	RD	No	No	No	No
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	No	No	No	No	No	No	No	EC	No	No
CHANNEL *(at spot check)*										
Channel substrate ' *MM,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SP	UP	SP	UP	BP	SP	UP	BP	BP	BP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NV	IR	IR	IR	IR	IR	IR	NV	NV	NV
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	RP	RP	UP	RP	NP	UW	SM	SM	RP
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	No	No	No	No	No	No	No	No	No	No
Channel feature(s) *MV,NO,RO,MB,VB,MI,TR*	No	No	VB	No	No	No	No	No	No	No
RIGHT BANK TICK if fractional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *MM,BE,BO,CO,GR,SA,PE,CL,CC,SP,WP,GA,BR,SH,SW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	No	No	No	No	No	No	No	No	No	No
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	EC	SC	No	VP	No	No	No	No	No	No

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, HG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/SC	S	U	U	U	U	S	U	U	S	U
LEFT BANK FACE *(structure)* BA/SC	S	S	S	S	U	S	U	U	S	S
RIGHT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	C	C	C
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U	U	S	U	S	C	U	S	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	BL	TH	SU	SU	IG	SU	SU	SU

G CHANNEL VEGETATION TYPES *(Use 'Ab' for abundant, 'Fr' for frequent, 'Occ' for occasional, 'Rr' for rare)* 1 m wide (optional) Some patch all 10 m

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5									NJ	NJ
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓			✓	✓		
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓				✓	✓	✓			

SITE NO. 6892 1996 RIVER HABITAT SURVEY: SOME SUPPLEMENTARY ATTRIBUTES Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		✓
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		E

I BANK MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe	✓	✓	Reinforced - whole bank	✓	✓
Steep (> 45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☑	☐

Indicate predominant flow sequence *(select up to three features)*: glide / ripple

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at a riffle if present, otherwise at a glide, preferably at a bend)*

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.50	Bankfull width (m)	9.70	Bankfull height (m)	1.50
Embanked height (m)		Water width (m)	7.50	Embanked height (m)	
		Water depth (m)	0.28		

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = ✓ Roadbridges = | Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐

Embankment ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☐

Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ✓

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OTHER FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: LS Lich Rbe chosen by Lily, new only! . Car if kitchen is a mark on the right bank. Road ring parallel to Ridge here - Su under cap on L.B

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6893

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 73743 32 River: CRADLEY BROOK

Date 3.5.1996 Time: 14:00 Surveyor name P. Scott Accreditation code. PESS

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total #'s)*

Riffles 9 Unvegetated point bars 1

Pools Vegetated point bars

...ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECK Page 2 of 4

TALLY (use ///) for - Riffles |||| Pools /// Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* - one entry only

Spot check 1 = u/s upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence					✓					
Material *MM,BE,BO,CO,CS,EA,PE,CL,CC,ZP,WP,GA,BR,BM*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,BA*	No	No	No	No	No	No	No	No	No	No
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No
CHANNEL & NEW										
Channel substrate * *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	BR	BP	BP	BP	BP	BP	BP	BP	BP	BP
Substrate shape *FL,DV,EL,SP,CU,PO,IR, Others - note*	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type * *FT,CN,BW,UW,CF,BP,UP,SM,MP,NO*	RP	RP	RI	RP	SM	SM	VP	SM	RP	RP
Channel modification(s) *ME,MO,CV,RS,RI,BA,FO*	No	No	No	No	No	No	No	No	No	No
Channel feature(s) *MV,MO,BO,MB,VB,MI,TR*	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if fractional fence					✓					✓
Material *MM,BE,BO,CO,CS,EA,PE,CL,CC,ZP,WP,GA,BR,BM,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,BA*	No	No	No	No	No	No	No	No	No	No
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	SU	TH	TL	TH	TH	TH
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	B	S	U	B	U	S	U	S
LEFT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	S	S	U	S	U	S	U	B	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TH	TL	IG	IG	RP	TL	TL	TL

G. CHANNEL VEGETATION *(CORE ... transect)* 300m each side of bridge

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5			✓							
Bryophytes/lichens						✓				
Emerg broad-leaved herbs				✓	✓		✓	✓	✓	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E		✓		✓		✓	✓	✓

NO. 6893 1996 RIVER HABITAT SURVEY SIDE SECTIONS Page 3 of 4

...AND USE WITHIN 50m OF BANKTOP (L) & (R)

	L	R		L	R
...ficial/mixed woodland *(BL)*			Rough pasture *(RP)*		✓
...ferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...(SC)			Open water *(OW)*	✓	
...herbs' - rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	✓	✓

...BANK PROFILES

	L	R		L	R
...ral/unmodified			Artificial/modified		
...al/undercut	✓	✓	Resectioned	✓	✓
...al + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
...e	E	E	Reinforced - toe only		
...osite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

...CENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

...ER CHANNEL VARIABILITY

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

...ate predominant flow sequence *(select up to three features)*: Rifle / ...ffle

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

H. CHANNEL DIMENSIONS *(to be measured at bankfull level, or as close as possible)*

LEFT BANK		Banktop width (m)	3.50	RIGHT BANK	
Banktop height (m)	0.50	Water width (m)	2.80	Banktop height (m)	0.65
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trackline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I. ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 2 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

J. EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K. FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/wide channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

L. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M. BANKSIDE VEGETATION *(tick one box)* ... if present, indicate dominance of others eg

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

N. OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

O. ALDERS *(tick appropriate box)*

Alders? None ☐ Present ☑ Excessive ☐ Diseased Alders? None ☑ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY, with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6894

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO829471 River: UA - AMED

Date 2.5.11996 Time: 11:30 Surveyor name: P. Pedlett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use |||) for - Riffles // Pools // Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across Channel within a 10m wide transect)* - use one entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SH,BW*	CL	CL	EA	EA	CL	EA	EA	CL	CL	CL
Bank modification(s) *NE,NO,RS,RI,FC,BM,EM*	No	No	No	RS	No	No	No	No	No	No
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	SC	No	No	No	SC	No	No	No	SC	No
CHANNEL										
Channel substrate * *HV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	CL	SI	SI	CC	SI
Substrate shape *FL,OV,EL,SP,CU,PO,BL,Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	RP	SM	RP	SM	SM	RP	SM
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	No	No	No	No	No	No	No	No	No	No
Channel feature(s) *HV,NO,RO,MR,VB,MI,TR*	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if functional fence										
Material *HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SH,BW*	EA	CL	CL	CL	CL	CL	CL	CL	EA	CL
Bank modification(s) *ME,NO,RS,RI,FC,BM,EM*	No	No	No	No	No	No	No	No	No	No
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	EC	SC	No	No	No	No	No	No	No	No

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TH	TL	TL	RL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BA/SC	U	C	S	U	U	U	S	S	U	U
LEFT BANK FACE *(structure)* BA/SC	S	S	S	S	B	S	S	S	B	S
RIGHT BANK FACE *(structure)* BA/SC	S	S	S	S	S	C	S	B	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	C	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	TH	RL	TL	BL	RL	RL	BL

G CHANNEL VEGETATION TYPES *(within Channel, 1m x 1m (1% area) or list (present) within 5m of U/S)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓		✓				✓	✓	✓	
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										✓
Submerged broad-leaved										
Submerg fine/linear-leaved										✓
Filamentous algae		✓		✓	✓	✓			✓	

SITE NO. 6894 1996 RIVER HABITAT SURVEY: 200m SWEPT UP Page 3 of 4

H WIDER VALLEY LAND USE (within 50m of top of bank)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J ENCROACHMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☐	☑

K CHANNEL FEATURES AND SEDIMENTS

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: 1 3 /an

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND IMPOUNDINGS Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.50	Water width (m)	3.10	Banktop height (m)	1.25
Embanked height (m)		Water depth (m)	0.54	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 1.20 width(m) = 4.00

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = 4 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P CHOKED CHANNEL *(Use one box only)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE/NUISANCE PLANT SPECIES PRESENT (e.g. >1% cover) OR EXTENSIVE STANDS (e.g. >5m²)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R RIVERSIDE LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Weir, caused by fallen tree/debris not cleared back - U/S ... channel - runs through Alder, bed with heavy woodland surrounding.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6895

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO926472 River: Bow Brook

Date 2/5/1996 Time: 9:15 Surveyor name: [illegible] Accreditation code: AF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(total in 500m local stretch)*

Riffles		Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (one per) for - Riffles | Pools | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES *(to be assessed across channel, within a 5 m wide transect)* - one code only

Spot check 1 is: upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if fractional (trans)*										
Material *BE,BO,CO,CB,CL,PI,CI,CC,SP,VT,GL,AR,ES,EM*	EA	EA	EA	EA	EA	EA	EA	EA	EA	GA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	RS	RS	NO	RS	RS
Bank feature(s) *NF,NO,EC,BC,FB,VT,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *BY,BE,BO,CO,OF,SA,SI,CL,PE,AR*	SI	SI	WV	SP	SI	SI	SI	SI	SI	SI
Substrate shape *FL,CW,SD,SP,CU,FO,DI, Others - note*	NA	NA	/	SI	NA	NA	NA	NA	NA	NA
Flow type * *FF,GW,RW,UW,CF,RF,UP,SM,NP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *ME,NO,CV,RS,RI,DA,TO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WF,NO,BO,MB,TP,SH,TS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if fractional (trans)*										
Material *BE,BO,CO,CB,EA,PI,CL,CC,SP,VT,GL,AR,ES,EM*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s) *NF,NO,EC,BC,FB,VT,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, OP, OS, WH, RC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TH	TL
LEFT BANK-TOP *(structure within 1m)* MUSIC	U	U	U	U	U	B	U	S	U	U
LEFT BANK FACE *(structure)* MUSIC	S	S	U	U	S	U	S	S	U	S
RIGHT BANK FACE *(structure)* MUSIC	S	S	U	S	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* MUSIC	U	U	U	U	B	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	SC	TL	TL

C. CHANNEL VEGETATION TYPES *(within 5m x 5m squares)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs							✓	✓		
Emerg reeds/sedges/rushes	E	E	E	✓	✓	✓	E	✓	✓	E	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/narrow-leaved				✓						✓
Filamentous algae										✓

SITE NO. 6895 1996 RIVER HABITAT SURVEY (500m SWEEP UP) Page 3 of 4

D. RIVERBANK VEGETATION (within 5m x 5m squares)

	L	R		L	R
edge/mixed woodland (BL)			Rough pasture (RP)		
oliferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
[illegible] (SC)	✓		Open water (OW)		
herbs* rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

E. BANK SIDE MATERIALS (within 5m x 5m squares)

	L	R		L	R
...ural/unmodified			Artificial/modified		
ical/undercut			Revetmented	E	E
ical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Overhang			Reinforced - toe only		
pools			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

F. FREQUENCY OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

G. FREQUENCY OF RIFFLES AND OTHER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

etc predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

H. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankfull width (m)			6.00	
Bankfull height (m)	1.50	Water width (m)	2.60	Bankfull height (m) 1.25
Embanked height (m)		Water depth (m)	1.10	Embanked height (m)

If trashline lower than bankfull break in slope, indicate: height (m) = 0.90 width(m) = 4.70

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

I. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

J. EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K. FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (note)	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ✓	Fen ☐	Flush ☐		

L. CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

M. NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es) - NOTE ABUNDANCE STANDARDS)*

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

N. OTHER OBSERVATIONS

Major impacts: land fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: deep, possibly dredged, reflectionary looks old, old reed stands along banks, patch of iris, heard ill possibly 4 grey/heads (x2).

O. ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 690

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Forthinghoe Stream

Date 21/5/1996 Time: 12.5 Surveyor name JJL Accreditation code. PFHB

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	1
Pools	1	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use ||| for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ¹ = one entry only

Spot check 1 at: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material ¹ *BE,BO,CO,CS,EA,PE,CL,CC,SI,MP,GA,SH,SS,OM*	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,SH,ESH*	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW - substrate shape codes - *FLAT OVAL EL SP CU FO DI, Others - note*										
Channel substrate ¹ *BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	CL	CL	NV	CL	GP	GP	GP	GP
Substrate shape *FL OV EL SP CU FO DI, Others - note*	IR	TA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type ¹ *FF,CH,RW,UW,CF,RF,UP,SH,MP,NO*	RP	SM	SM	SM	SM	SM	RP	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material ¹ *BE,BO,CO,GB,EA,PE,CL,CC,SI,MP,GA,SH,SS,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,SH,ESH*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m) B/U/S/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure) B/U/S/C*	U	S	U	U	U	U	U	U	S	S
RIGHT BANK FACE *(structure) B/U/S/C*	U	S	U	S	U	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m) B/U/S/C*	S	U	U	U	U	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IG	TL	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect - if < 2 % areal) or, tick (present) 500m each side*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		Apium								
Emerg reeds/sedges/rushes		Juncus								
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓	E	E					
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓		✓	✓	✓	✓		

SITE NO. 690 1996 RIVER HABITAT SURVEY: 500m SWEEP UP (OPTIONAL) Page 3 of 4

H SURROUNDING WITHIN 50m OF BANKTOP *(tick one box per row)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation (TH)			Suburban/urban development *(SU)*		

I BANK SIDE CHARACTERISTICS *(tick one box per row)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J ABUNDANCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL CHARACTERISTICS *(tick one box per row)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured in one representative reach, preferably at a riffle)*

LEFT BANK		Banktop width (m)	2.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	0.80	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.08	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = ✓ width(m) = ✓

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL ALTERATIONS *(tick appropriate box(es))*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE/NUISANCE PLANT SPECIES *(tick appropriate box(es) or IPE code for LARGE STANDS of other sp.)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6402

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Tove

Date 31/5/1996 Time: 9:50 Surveyor name JJL Accreditation code PF43

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ✓ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ✓ right bank ○ channel ○ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ○ shallow vee
- ○ deep vee
- ○ gorge
- ○ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1	Unvegetated point bars -
Pools -	Vegetated point bars -

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use Diff) for - Riffles 1 Pools - Unveg side bars - Veg point bars -

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* ! = use entry only

Spot check 1 at: upstream ✓ downstream ○	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *wr,bl,bo,co,cb,sa,pe,cl,cc,sr,wr,ca,se,cs,ea*	EA	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ne,no,rs,rl,pc,ani,zm*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *wr,no,ec,ic,pa,vr,ss,vs*	NO	NO	NO	NO	NO	NO	EC	NO	NO	NO
CHANNEL ENTER dominant type(s)										
Channel substrate ! *wr,bl,bo,co,cp,sa,si,cl,pe,ar*	GP	GP	NV	NV	NV	NV	NV	GP	NV	NV
Substrate shape *fl,ov,el,ir,co,po,ir, Other - use*	NA	RA	NA	NA	NA	NA	NA	IR	NA	NA
Flow type ! *ff,cn,sw,uw,cf,sf,uf,sn,nf,no*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *ne,no,cv,rs,rl,da,fo*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *wr,no,ro,ms,vs,ar,cs*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓			
Material *wr,bl,bo,co,cb,sa,pe,cl,cc,sr,wr,ca,se,cs,ea*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ne,no,rs,rl,pc,ani,zm*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *wr,no,ec,ic,pa,vr,ss,vs*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from bl, cp, or, wh, ic, th, ep, rc, fl, wl, ow, su

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* bu/s/c	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* bu/s/c	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* bu/s/c	U	U	U	S	U	U	U	S	U	U
RIGHT BANK-TOP *(structure within 1m)* bu/s/c	U	U	U	U	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BU	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; if < 33% area, or tick (presence) 300m each side)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓				✓					✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Floating-leaved (rooted)					✓			✓		✓
Free-floating										
Amphibious				✓						
Submerged broad-leaved			✓				✓			
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1996 RIVER HABITAT SURVEY: SWEEP UP Page 3 of 4

S NO. 6402

B DOMINANT LAND USE WITHIN 50m OF BANKTOP (tick one box per bank)

	L	R		L	R
Deciduous/mixed woodland (DL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Mixed/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Other "rank" rural vegetation (TH)			Suburban/urban development (SU)		

C BANK CONDITION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned		
Mixed + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Low			Reinforced - toe only		
Eroding			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

H COUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	✓	✓
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

I COUNT OF OTHER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	✓	○
Cascades(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	✓	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	○	○	○	Vegetated mid channel bar(s)	✓	○	○
Boil(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	○	○	✓

State predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

J CHANNEL DIMENSIONS *(at most typical riffle or glide, or other if neither present)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	5 <	Banktop height (m)
Embanked height (m)		Water width (m)	5 0	Embanked height (m)
		Water depth (m)	0.30	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ *(tick one box)*

K ARTIFICIAL FEATURES

None ○ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

L EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State .....

M FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓

Waterfalls > 5m high	○	Artificial open water	○	Bog	○ Other (state)
Braided/side channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

N CONGESTED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

O NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es) if > 5 PLANTS or LARGE STANDS of others)*

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? ..Nettle, Rhododendron bushes

P OVERALL QUALITY ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

Q ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6403

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Tox

Date 30/5/1996 Time: 15:00 Surveyor name JL Accreditation code PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and; as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 Unvegetated point bars —

Pools / Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use 1kf) for - Riffles \ Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = misc entry only

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10	'
LEFT BANK TICK if functional fence							✓	✓	✓	✓	
Material ' *NY,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,CA,SS,SS,SW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	SC	NO	
CHANNEL NEW *substrate, shape codes*	*NEW channel EL, OV, SP, SM, CU, FO, IR, Others*										
Channel substrate ' *NY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	GP	
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others*	NA	NA	NA	NA	NA	NA	NA	NA	NA	IR	
Flow type ' *FF,CH,BW,UW,CF,EF,UP,SM,MP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional fence											
Material ' *NY,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,CA,SS,SS,SW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SC	IG	IG	IG	IG	IG	
LEFT BANK-TOP *(structure within 1m)* BU/S/C	U	U	U	U	U	U	U	S	U	U	
LEFT BANK FACE *(structure)* BU/S/C	U	S	U	U	U	S	S	S	U	S	
RIGHT BANK FACE *(structure)* BU/S/C	U	U	U	U	U	U	U	U	U	B	
RIGHT BANK-TOP *(structure within 1m)* BU/S/C	U	U	U	U	U	U	U	U	U	B	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	

G CHANNEL VEGETATION TYPES *(10m wide transect; Z (≥ 33% area) or C (frequent) 500m each side)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	X	✓	✓							
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6403 1996 RIVER HABITAT SURVEY 500m SWEEP UP 30/5/1996

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' *most vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK MATERIAL (*Dominant*)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforce - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

P CHANNEL DIMENSIONS *(to be measured at one site on a straight reach, preferably across a riffle)*

LEFT BANK		Bankfull width (m)	7.5	RIGHT BANK	
Bankfull height (m)	0.64	Water width (m)	6.0	Bankfull height (m)	0.64
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

Q ARTIFICIAL FEATURES *(within channel and on bankside)*

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

R EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

S FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☑	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

T CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

U NOTABLE NUISANCE PLANT SPECIES *(≥ 33% E, Local (L) or Frequent (F) over LARGE STANDS of others)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

V OVERALL CHARACTERISTICS *(Comments, Impacts, Land Management, Animals)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

W ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class |

SURVEY DETAILS

Reference network site number: 6904

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Carx

Date 5/6/1996 Time: 12.30 Surveyor name NJL Accreditation code. PF43

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ IFE - VALLEY FORM NOTES:

SUMMARY OF HABITATS AND OTHER FEATURES

Riffles | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY

SUBSTRATUM AND FLOW TYPES

FULLY (one dot) for - Riffles Pools Uneng. side bars Veg point bars

DISTINCTIVE ATTRIBUTES (tick)

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
RIPARIAN VEGETATION										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	SC	BIO	NO
CHANNEL										
Channel substrate	NU	NU	NU	NU	NU	NU	NV	NU	NU	NU
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RC	NO	NO	NO	NO	NO	NO	RC	RC
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from IR, CP, OR, HDY, HC, TH, RP, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TG	TG	TG	TG	TG	TG	SG	TG	TG	TG
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	A	U	U	S	S	S	U	A	A
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TG	TG	TG	AL	AL	TG	TR	TR	

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Sparg Phrag	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	Rpol							✓		
Free-floating										
Amphibious	Ccus Rnas			✓	✓					
Submerged broad-leaved	C									
Submerg fine/linear-leaved	Cpse	✓	✓	✓	✓	✓			✓	✓
Filamentous algae										

SUMMARY OF HABITATS AND OTHER FEATURES

	U/S	R/B		L	R
Deciduous woodland (BL)		E	Rough pasture (RP)		
Scrub/plantation (CP)			Improved/semi-improved grass (IG)	E	E
Arable (OR)			Tilled land (TL)		
Moorland/heath (HDY)			Wetland (eg bog, marsh, fen) (WL)		
Heath (HC)			Open water (OW)		
Suburban/ rural vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Undercut	E	E	Resectioned		
Slack or less			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Cliff			Artificial two-stage		
			Pitched	✓	E
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☐	☐

SUMMARY OF CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐
Cascades(s)	☐	☐	☐
Rapid(s)	☐	☐	☐
Riffle(s)	☐	☐	☐
Run(s)	☐	☐	☐
Pool(s)	☐	☐	☐
Glide(s)	☐	☐	☐
Pool(s)	☐	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☐	☐
Unvegetated mid channel bar(s)	☐	☐	☐
Vegetated mid channel bar(s)	☐	☐	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☐	☐

predominant flow sequence *(select up to three features)*: Glide

RIVER HABITAT SURVEY

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	1.7	RIGHT BANK	
Bankop height (m)	1.5	Water width (m)	1.5	Bankop height (m)	1.5
Embanked height (m)	—	Water depth (m)	NK	Embanked height (m)	—

If trashline/lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (None) Rhododendron bushes

OVERALL ENVIRONMENTAL QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - canal - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - broadland - shrubland - bad - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink marsh - heron - dragonflies/damselflies

Other significant observations: water flowing ditch... over...

ALIEN PLANTS

Aliens? None ☐ Present ☐ Extensive ☐ Diseased Aliens? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6405

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Un-named

Date 29.5./1996 Time: 13:00 Surveyor name JDL Accreditation code: PF43

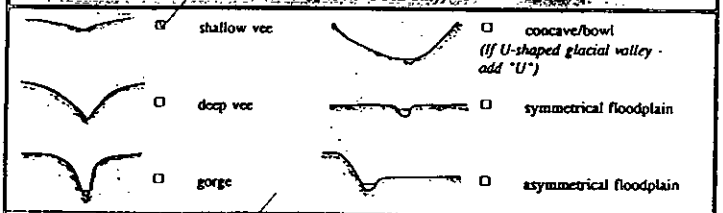
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS? *(indicate total number)*

Riffles	1	Unvegetated point bars	1
Pools	7	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use DH) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material ' *WW,BE,BO,CO,CG,EA,PE,CL,CC,SP,WP,GA,BR,BB,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,DA*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *(NEW - substrate data codes and ...)*										
Channel substrate ' *WV,BE,BO,CO,GP,BA,SI,CL,PE,AR*	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SM,WP,NO*	NP	NP	NP	NP	NO	NP	NO	NP	NP	NO
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material ' *WW,BE,BO,CO,GB,BA,PE,CL,CC,SP,WP,GA,BR,BB,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,DA*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/SC	S	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BA/SC	S	S	U	U	S	U	U	U	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	S	S	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect 2 (≥ 33% area) of tick (present) 500m catch all)*

NONE / PLANT GENERA - list first 5						/				
Bryophytes/lichens										
Emerg broad-leaved herbs						✓			E	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	✓				✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	E	E		E	✓	E

SITE NO. 6405 1996 RIVER HABITAT SURVEY: 500m SWEEP UP — Page 3 of 4

H BANKS AND SIDE WITHIN 20m OF BANKTOP *(20m x 5m transect) % of each type*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' *rank vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK TOP, FACE AND PROFILE *(20m x 5m transect)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J ABUNDANCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K ABUNDANCE OF CHANNEL FEATURES *(20m x 5m transect)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(20m transect at one site on a straight bit of the reach, preferably across a riffle)*

LEFT BANK		Banktop width (m)	2.5	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	0.5	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.07	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(tick appropriate box(es))*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q NOTABLE NUISANCE PLANT SPECIES *(all in 4 x 5m transects) (NB: IFE note LARGE STANDS of other sp)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bushes

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☑ Extensive ☐

BACKGROUND MAP/BASIN INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6406

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Great ouse

Date 4/6/1996 Time: 13.10 Surveyor name: JW Accreditation code: AT 83

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

DOMINANT VALLEY FORM

☐ shallow vee

☐ deep vee

☐ gorge

☐ concave/bowl *(If U-shaped glacial valley - add "U")*

✓ symmetrical floodplain

☐ symmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

SUBSTRATE/FLOW DIAGRAM

Riffles ✓ Unvegetated point bars !

ols ✓ Vegetated point bars /

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) DATA SHEET 1 of 4

TALLY (use DAFOR) for - Riffles Pools Unveg. side bars Veg. point bars

Spot check 1 m upstream (U) downstream (D)

	1	2	3	4	5	6	7	8	9	10
DOMINANT SUBSTRATE										
Material	FA	FA	F	FA	FA	FA	FA	SI	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	SA	GR	SA	GR	SA	SI	SA	GR	GR
Substrate shape	CU	NA	AC	NA	NA	NA	NA	IR	IR	RV
Pool type	SPK	SM	SM	SM	SM	SM	SM	SM	SM	RP
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	TA	BU	TG	TG	TG	TG	TG	TG	TG	TG
LEFT BANK-TOP (structure within 1m)	U	S	S	S	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	S	S	S	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	S	S	S	U	U	S	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	C	C	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TA	TG	TG	TG	BU	TG	TG	TG	TG	TG
VEGETATION										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓		✓			✓		✓	✓	
Emerg reeds/sedges/rushes		/	E	E	E	✓	✓	E	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious				/		✓	/			
Submerged broad leaved		E	✓	/	✓	/	✓	✓	✓	
Submerg fine/fac leaved										
Filamentous algae	E	E	E	E	E	E	✓	✓	✓	✓

RIVER HABITAT SURVEY (RHS) DATA SHEET 2 of 4

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		
Conif plantation (CP)			Improved/semi-improved grass (IG)	E	E
Scrub (SH)			Tilled land (TL)		
Moor/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Orchard/ rural vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Slip (<45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Concave			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	✓	☐	☐
Run(s)	☐	✓	☐
Pool(s)	✓	☐	☐
Glide(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid channel bar(s)	☐	☐	☐
Vegetated mid channel bar(s)	☐	✓	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☐	✓	☐
Vegetated side bar(s)	☐	✓	☐

predominant flow sequence *(select up to three features)*: G A

RIVER HABITAT SURVEY (RHS) DATA SHEET 3 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.5	Banktop width (m)	7.0	
Embanked height (m)		Water width (m)	5	Banktop height (m) 1.5
		Water depth (m)	0.85	Embanked height (m)

If trashlines lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords = 2
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

MAINTENANCE

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

ADDITIONAL FEATURES

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (list) Rhododendron bushes

PHYSICAL INFLUENCES

Major impacts: bankfill - dipping - litter - sewage - gullies - drought - obstruction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6907

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Ivel

Date 4/6/1996 Time: 11.12 Surveyor name NJC Accreditation code PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	1
Pools	1	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of

TALLY (use ||||) for · Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material [NV,BE,BO,CO,CB,BA,PE,CL,CC,ST,WP,GA,RR,RA,RW]	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,EM]	EM	EM	EM	EM	EM	EM	NO	NO	NO	NO
Bank feature(s) [NV,NO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [NV,BE,BO,CO,GP,SA,SI,CL,PE,AR]	NV	SI	SI	SI	SS	NV	NV	NV	NV	NV
Substrate shape [FL,OV,EL,V,CU,PO,IR, Others - note]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pool type [FF,CH,BW,UW,CF,RP,UP,SW,WP,NO]	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) [NE,NO,CV,RS,RI,DA,FO]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) [NV,NO,RO,MB,VB,MI,TR]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material [NV,BE,BO,CO,CB,BA,PE,CL,CC,ST,WP,GA,RR,RA,RW]	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,EM]	EM	EM	EM	EM	NO	NO	EM	EM	EM	EM
Bank feature(s) [NV,NO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BA/US/C	U	U	U	U	B	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Apium									✓
Emerg reeds/sedges/rushes	Phragmites	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	Nuphar								✓	
Free-floating	Lemna					✓				✓
Amphibious										
Submerged broad-leaved	*									
Submerg fine/linear-leaved	Ranunculus	✓	✓	✓		✓	✓		✓	
Filamentous algae					✓		✓			

SITE NO. 6907 1996 RIVER HABITAT SURVEY: SOIL & WATER Page 3 of 4

I LAND USE WITHIN 50m OF BANKTOP (% cover)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	✓	
Tall herbs* rank vegetation (TH)	E		Suburban/urban development (SU)		

J BANK MATERIALS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reactoned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankment		

K TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

L CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

M CHANNEL DIMENSIONS *(to be assessed at site of spot check, and at each successive riffle)*

LEFT BANK			RIGHT BANK	
Banktop width (m)		11.	Banktop width (m)	
Banktop height (m)	0.5	Water width (m)	10	Banktop height (m)	0.5
Embanked height (m)	2.0	Water depth (m)	Nk	*Embanked height (m)*	2.0

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loam) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

N ANTHROPOGENIC FEATURES

None ☑ Number of Offtakes = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

O EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

P FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Q CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

R INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

S OVERALL CATCHMENT IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies damselflies

Other significant observations: [illegible]

T RIPARIAN CANOPY

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE model for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6908

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: RHEE

Date: 23/5/1996 Time: 13:17 Surveyor name: JJE Accreditation code: PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM: *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

J NUMBER OF RIFFLES, POOLS AND POINT BARS *(record actual number)*

Riffles	1	Unvegetated point bars	1
Pools	1	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY STATION SCHEDULE Page 2 of 4

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* (mandatory only)

Spot check 1 m upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional (check)										
Material	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RR	sm	sm	sm	sm	sm	sm	sm	sm	BP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional (check)										
Material	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, UR, SC, IN, AF, AG, TI, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TR	TL	TL	TL	TL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* BA/S/C	S	U	U	U	U	U	C	S	C	S
LEFT BANK FACE *(structure)* BA/S/C	B	U	U	U	U	U	S	S	S	S
RIGHT BANK FACE *(structure)* BA/S/C	B	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	BL	TL	TL	TL	TL

Q BANKTOP VEGETATION MACRO-PLOTS

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes	✓			E	✓		✓	✓	✓	
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/narrow leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SITE NO. 6908 RIVER HABITAT SURVEY SCHEDULE Page 3

R SUBSTRATE AND FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"all herbs" and vegetation (TH)			Suburban/urban development (SU)	✓	✓

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	
Vertical + toe			Reinforced - whole bank	✓	
Slump (>45°)	E	E	Reinforced - top only		
Cascade			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

S SELECTION OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

T SELECTION OF FLOW TYPES AND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal dead-water	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: G1

1996 RIVER HABITAT SURVEY DIMENSIONS Page 4

C CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	6	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	1	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.20	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

D MAN-MADE FEATURES

None ☐ Number of Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

E EVIDENCE OF RECENT CHANNEL ENGINEERING

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

F FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pea ☐ Fleats ☐

G CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

H HUMAN INFLUENCE CHECKLIST

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

I LAND USE (within 50m of top of bank)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

J BANKSIDE VEGETATION

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6909

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Unnamed

Date 23.5./1996 Time: 10.40 Surveyor name: JJ Accreditation code: PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS — Page 2 of 4

TALLY (use 1M) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional (enter)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	GP	GP	GP	SA	SA	SA
Substrate shape	NA	NA	NA	NA	IR	IR	IR	NA	NA	NA
Flow type	SM	SM	SM	SM	RP	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional (enter)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	SC	SC	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE *(structure)*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)*	U	U	U	S	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(in channel and on bankface)* — *(present) 50m*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				✓	✓	✓	✓	✓	✓	
Emerg reeds/sedges/rushes		✓	✓		✓					
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	✓	✓	✓	✓	✓	✓

SITE NO. 6909 — 1996 RIVER HABITAT SURVEY SPOT CHECKS — Page 3 of 4

H LAND COVER WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K EXTENT OF FLOW TYPES AND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND ENGINEERING — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured across channel within a 10m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	2.5	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	1.75	*Embanked height (m)*	
		Water depth (m)	0.40		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF FRONT-LINE MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog Other (state)
Braided/side channels ☐ Natural open water ☐ Carr
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

R OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bendland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Deceased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: C410

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL484470 River: R. Cam

Date 23/5/1996 Time: 13:30 Surveyor name: JJL Accreditation code: PF93

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

J NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 Unvegetated point bars 1

Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles Pools Unveg side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 m: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fencing										
Material	CC	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VO	VO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	Gr	Gr	GP	NV	NV	NV
Substrate shape	IR	IR	IR	IR	IR	IR	IR	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	RS	RS	RS	RS	RS	NO	NO	NO	NO
Channel feature(s)	NO	NO	VO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fencing										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	NO	VO	NO	NO	NO	NO	EM	EM	GM
Bank feature(s)	NO	VO	NO	NO	NO	NO	NO	NO	NO	VO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, SH, IC, TH, RF, HO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	BL	BL	BL	BL	BL	BL	RP	RP	RP
LEFT BANK-TOP *(structure within 1m)* BATSC	S	S	S	U	U	S	U	U	U	U
LEFT BANK FACE *(structure)* BATSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BATSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BATSC	B	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	BL	BL	BL	BL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect, 2 (2.33% area) or tick (present) 20m wide)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓								
Emerg reeds/sedges/rushes	E	E	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)		✓		✓						✓
Free-floating										
Amphibious		✓	✓							
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. C410 1996 RIVER HABITAT SURVEY SPOT CHECK Page 3 of 4

I DOMINANT BANKSIDE LAND USE (within 50m of BANKTOP) *(tick 2 boxes)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

K BANKSIDE FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetted		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

L EXTENT OF TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging bought	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Undercut tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

M INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bral(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): G, R, P

1996 RIVER HABITAT SURVEY DIMENSIONS AND MEASUREMENTS Page 4 of 4

N CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	7.6	Banktop height (m)	1.5
Embanked height (m)	0.5	Water width (m)	4.0	Embanked height (m)	0.5
		Water depth (m)	0.7		

If trapezium lower than banktop break in steps, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

O ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of size ☐ >33% of size ☐

P EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State: .....

Q FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

R CROSSED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

S NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))* IFE mod: LARGE STANDS of others

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Mostly Rhododendron bushes)

T OVERALL CHARACTERISTICS *(Circle appropriate box(es))*

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

U ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6411

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Carre

Date 22.5./1996 Time: 14.00 Surveyor name JJL Accreditation code PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D ENUMERATION OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles / Unvegetated point bars —

Pools II (2) Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of

TALLY (see p4) for - Riffles Pools III Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ☑ = one entry only

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *WW,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,MI,BR,RW*	EA	EA	ER	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,PO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	VS	NO	NO	NO	NO
CHANNEL *(to be assessed at each spot check)*										
Channel substrate *WV,BE,BO,CO,GP,SA,SI,CL,PLAR*	GP	GP	GP	GP	GP	GP	SI	SI	GP	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	IR	IR	NA	NA	NA	ER	NA	NA	IR	IR
Flow type * *FF,CH,RW,UW,CF,RF,UP,SM,NP,NO*	NP	NP	NP	NO	NP	SM	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,RO,MR,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *WW,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,MI,BR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IE, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SH

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* *BU/S/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *BU/S/C*	U	U	U	U	S	U	U	U	B	U
RIGHT BANK FACE *(structure)* *BU/S/C*	U	S	U	U	S	U	U	S	B	S
RIGHT BANK-TOP *(structure within 1m)* *BU/S/C*	U	U	U	U	U	U	C	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	BL	TL	TL	TL

G PLANT SPECIES LIST *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓								
Emerg reeds/sedges/rushes	✓	✓	✓	E						
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓								
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	✓	E		E	E	E	E	E	E

SITE NO. 6411 1996 RIVER HABITAT SURVEY - SIDE (LEFT/RIGHT) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		✓
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reactioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: 1 2

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at each spot check and recorded separately)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.25	Banktop width (m)	1.20	Banktop height (m)	0.25
Embanked height (m)		Water width (m)	0.80	*Embanked height (m)*	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANIPULATION

None ☑ Dredging ☐ Mowing ☐ Weed cutting
Enhancement ☐ Other ? State

O FEATURES OF NON-CONTIGUOUS HABITAT

None	☑		
Waterfalls > 5m high	☐	Artificial open water	☐
Braided/side channels	☐	Natural open water	☐
Debris dams	☐	Water meadow	☐
Leafy debris	☐	Fen	☐
Bog		Other (state)	
Carr			
Marsh			
Flush			

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE RIPARIAN PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

R OTHER IMPACTS

Major impacts: bank fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron dragonflies/damselflies

Other significant observations:

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6911

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL685490 River: Stour

Date 22/8 /1996 Time: 12:55 Surveyor name: JL Accreditation code: PF43

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM_NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick one, count above)*

Riffles	✓	Unvegetated point bars	✓
Pools	✓	Vegetated point bars	✓

SEND COMPLETED FORMS WEEKLY plus all water sample and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use 1/1) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel profile at 5m wide transect)* ☐ one bank only

Spot check 1 m. upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sections) fence										
Material *(NA,BE,BO,CO,CB,SA,PE,CL,CC,SP,MP,GA,ME,RR,OM)*	NV	NV	NV	NV	NV	NV	EA	EA	EA	EA
Bank modification(s) *(NE,NO,ES,FI,FC,RM,OM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NF,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	SC	SC
RIGHT BANK TICK if (sections) fence										
Channel substrate *(NF,BE,BO,CO,CF,SA,SI,CL,PE,AR)*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *(FL,CV,CC,SV,CU,PO,IR, Other = ...)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *(FT,CH,RM,UW,CV,SS,UP,SM,MP,NO)*	SM	SM	RF	RP	SM	RP	RP	RP	RP	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,OT)*	NO	NO	NO	NO	NO	NO	NO	NO	RS	ES
Channel feature(s) *(NF,NO,RO,MR,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (sections) fence										
Material *(As at NO CO CB GA, PE CL, CC SP, MP GA, ME, RR, OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,ES,FI,FC,RM,OM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NF,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	SC	SC	NO	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, RS, TL, WE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	TH	TH	TH	TH
LEFT BANK-TOP *(structure within 1m)* BANKSIDE	C	C	U	S	S	C	U	U	U	U
LEFT BANK FACE *(structure)* BANKSIDE	S	S	U	S	U	S	U	U	U	S
RIGHT BANK FACE *(structure)* BANKSIDE	U	U	U	U	U	U	U	U	S	S
RIGHT BANK-TOP *(structure within 1m)* BANKSIDE	U	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TH	OL	OL	OL

G CHANNEL VEGETATION TYPES (% cover)

NONE / PLANT GENERA - list first 5	✓	✓	✓			✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Phal.	Carex		✓	✓					✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 6911 1996 RIVER HABITAT SURVEY CONDITIONS AND INFLUENCES Page 3 of 4

H CHANNEL CONDITIONS

	L	R		L	R
Semi-natural woodland *(SL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation *(TR)*	E	✓	Suburban/urban development *(SU)*		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	E	E	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank		
Sloap (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

I CHANNEL CONTINUITY AND STRUCTURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Concrete woody debris	☑	☐	☐

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run, Rif.

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

J CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	6	RIGHT BANK	
Bankfull height (m)		Water width (m)	6	Bankfull height (m)	
Embanked height (m)		Water depth (m)	1	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site in: consolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

K ARTIFICIAL IN-CHANNEL STRUCTURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

L IN-CHANNEL MAINTENANCE

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

M FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

N CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

O PRESENCE OF INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Name) Rhododendron bushes

P OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - canal - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - broadleaf - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - coot marlin - heron - dragonflies/damselflies

Other significant observations:
River through BL & TL.

Q ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with RIB woody plant genera and exotics page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number. 6913

Mid-site grid reference of network site if different from designated location: 1913

Grid Reference: River: STOUR

Date 22/5/1996 Time: 10.40 Surveyor name G. COLLETT Accreditation code PFIO

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with SPOT CHECKS page 2 of 4

TALLY (use 𝍸) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☐ downstream ☒	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *(MM,BE,BO,CO,CS,EA,PE,CL,CC,SI,WF,CA,BR,SA,OA)*	CA									→
Bank modification(s) *(NE,NO,RS,RI,PC,BM,RM)*	NO									→
Bank feature(s) *(NV,NO,EC,SC,PB,WP,SB,VS)*	NO	NO	SU	EC	EC	NO	NO	NO	NO	NO
CHANNEL *(GRAVEL, Substrate, Flow Type, Channel modification(s), Channel feature(s))*										
Channel substrate *(NV,BE,BO,CO,DF,SA,SI,CL,PE,AR)*	SI	SI	SI	SI	SI	CL	CL	GP	CL	CL
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - note)*	NO						→	IR	NO	NO
Flow type *(NF,CH,BW,UW,CF,SP,UP,SM,NP,PO)*	SM						→	UU	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO									→
Channel feature(s) *(NV,NO,RO,WB,VB,NI,TR)*	NO									→
RIGHT BANK TICK if fractional fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SI,WF,CA,BR,SA,OA)*	CA									→
Bank modification(s) *(NE,NO,RS,RI,PC,BM,RM)*	NO									→
Bank feature(s) *(NV,NO,EC,SC,PB,WP,SB,VS)*	NO	EC	NV	NO	NO	NO	SC	NO	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BE, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IS	IS	IG	IG	IS
LEFT BANK-TOP *(structure within 1m)* *BA/US/C*	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *BA/US/C*	S	S	S	U	B	S	S	U	U	S
RIGHT BANK FACE *(structure)* *BA/US/C*	S	B	S	U	C	C	S	C	S	U
RIGHT BANK-TOP *(structure within 1m)* *BA/US/C*	S	S	S	S	C		U	C	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	SC	TL	BL	BL	BL	BL	SU	SU

G CHANNEL VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5			✓		✓	✓	✓	✓	✓	
Bryophytes/lichens	SCIRPUS									
Emerg broad-leaved herbs	SPARGANIUM									
Emerg reeds/sedges/rushes		✓	E	✓					/	
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓								

SITE NO. 6913

1996 RIVER HABITAT SURVEY page 3 of 4

H BANK SIDES

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		✓

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial bankings		
			Poached		
			Embanked		
			Set-back embankments		

I PERCENTAGE TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	☐	✓
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

J CHANNEL FEATURES

	Major	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

predominant flow sequence *(select up to three features):* GLIDE RIFFLE - RUN

1996 RIVER HABITAT SURVEY page 4 of 4

K CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.75	Banktop width (m)	8	Banktop height (m)	1.75
Embanked height (m)		Water width (m)	6.5	*Embanked height (m)*	
		Water depth (m)	0.4		

If trashline lower than banktop break in slope, indicate: height (m) = 1.4 width(m) = 0.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mimulus Rhododendron bracken

R OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip (headland) abandoned land - parkland - MoD - other? = FIELD MARGIN

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6914

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: QUEM

Date 24/5 /1996 Time: 12.58 Surveyor name G LOLLETT Accreditation code: PP10

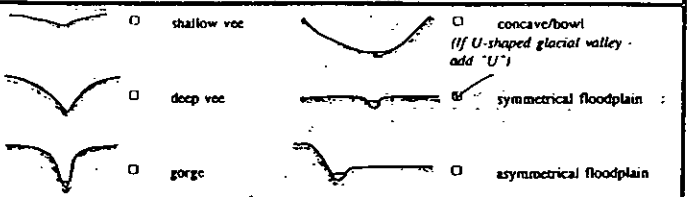
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use dtf) for - Riffles Pools Unveg. side bars Veg point bars 1

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 4m wide transect) — one entry only*

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	GA									
Bank modification(s)	RS									
Bank feature(s)	NO	SB	NO							
CHANNEL (if NEW habitat begins within 1m of spot check, record both)										
Channel substrate *	SA	SK	SA	SA	SI	SI	SI	SI	SI	SI
Substrate shape	NO									
Flow type *	NP	RM	NP							
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK TICK if functional fence										
Material *	GA									
Bank modification(s)	RS									
Bank feature(s)	NO	NO	NO	VS	NO	VS	VS	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, UP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL										
LEFT BANK TOP *(structure within 1m)* B/U/S/C	U										
LEFT BANK FACE *(structure)* B/U/S/C	U										
RIGHT BANK FACE *(structure)* B/U/S/C	U										
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL										

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥ 33% cover) or tick (present) within 1m of spot check)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	SPHAGNUM									
Emerg broad-leaved herbs	PHRAGMITES									
Emerg reeds/sedges/rushes	GLYCERIA	✓	✓	✓	✓		✓	E	✓	✓	
Floating-leaved (rooted)	POTAMOGETON		✓	✓		✓	✓				
Free-floating	LEMNA										
Amphibious											
Submerged broad-leaved						✓					
Submerg fine/linear-leaved		✓				✓					
Filamentous algae		✓	E	✓	✓	✓	✓	✓			✓

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 3 of 4

H CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.75	Bankfull width (m)	7.5	Banktop height (m)	1.75
Embanked height (m)		Water width (m)	5.5	*Embanked height (m)*	
		Water depth (m)	0.25		

If trampling lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

L CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

M NOTABLE NUISANCE PLANT SPECIES *(Indicate presence and extent of stands of each)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bracken

N SURVEY NOTES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = POPULAR LAND REJECTED RIVER

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron dragonflies/damselflies

Other significant observations.

O ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

SITE NO.

1996 RIVER HABITAT SURVEY: SUMMARY — Page 4 of 4

P LAND USE WITHIN 50m OF CENTRE LINE *(to be assessed over a 100m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

Q BANK AND BANKSIDE MATERIALS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetchment	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

R PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

S CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: (1) PERCEPTIBLE FLOW - GLIDE

1996 RIVER HABITAT SURVEY with IFE model (original version) and Toolkit updates — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6915

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Box

Date 22.1.5/1996 Time: 14:47 Surveyor name GOULETT Accreditation code. PF10

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* RAINING

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with SPOT CHECKS — Page 2 of 4

TALLY (use 5BI) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel width at 1m wide transects)* — one entry only

Spot check 1 m: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sectional) fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,BA,BW)*	CA									
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO									
Bank feature(s) *(BW,NO,EC,SC,PB,WP,SB,VS)*	SC	NO	NO	NO	NO	SC	NO			
CHANNEL NEW *(Dominant shape codes in bold)*										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CL	SI	SI	SI	SA	SI				
Substrate shape *(FL,CW,EL,SP,CU,PO,IR, Others - note)*	NO									
Flow type * *(FF,CH,BW,UW,CF,RP,UP,SH,MP,NO)*	SM	SH	NP	NP	RP	SH	NP	SM	NP	NP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO									
Channel feature(s) *(BW,NO,EO,MB,VB,MI,IS)*	NO									
RIGHT BANK TICK if (sectional) fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,BA,BW)*	CA									
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO									
Bank feature(s) *(BW,NO,EC,SC,PB,WP,SB,VS)*	NO					NO				

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TN, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	RP	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/SC	U							S	S	U
LEFT BANK FACE *(structure)* BA/SC	S	U						S	S	V
RIGHT BANK FACE *(structure)* BA/SC	V	V	V	V	V	S	V			
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	CE	TH					

G CHANNEL VEGETATION TYPES *(Use DAFOR (Plan) or tick (Present))*

NONE / PLANT GENERA - list first 5										✓
Bryophytes/lichens	CRYPTOGAMS									
Emerg broad-leaved herbs	SPARG									
Emerg reeds/sedges/rushes	IRIS									
Floating-leaved (rooted)	[illegible]		E	✓	✓	E	E	✓	E	✓
Free-floating	[illegible]									
Amphibious		✓					✓			
Submerged broad-leaved		✓				✓		✓		
Submerg fine/linear-leaved										
Filamentous algae		✓		✓	✓	E	E			

1996 RIVER HABITAT SURVEY with SPOT CHECKS — Page 3 of 4

TE NO.

H CHANNEL SUBSTRATE (DOMINANT) *(Tick one box per bank)*

	L	R		L	R
Bedrock (BE)			Cobbles (CO)		
Boulders (BO)			Gravel (GR)		
Large boulders (LB)			Sand (SA)		
Small boulders (SB)			Silt (SI)		
Bouldery (BY)			Clay (CL)		
Artificial (AR)			Peat (PE)		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): (1) POOL/RIFFLE (2) [illegible]

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	3.0	RIGHT BANK	
Bankfull height (m)	0.9	Water width (m)	1.5	Bankfull height (m)	0.5
Embanked height (m)		Water depth (m)	0.20	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site: ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick if present; add if dominant or forming large stands of others)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron Invasive

R OVERALL CHARACTERISTICS OF RIVER

Major impacts: landfill - tipping - linear - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: [illegible]

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6916

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 23/5/1996 Time: 11:25 Surveyor name G. COLLETT Accreditation code. PFIO

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 | Unvegetated point bars
Pools 3 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IIII) for - Riffles || Pools ||| Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)*

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *MM,BE,BO,CO,CS,ES,PE,CL,CC,ZF,WF,GA,BR,RR,RW*	CA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,ED*	NO	RS	NO	RS	RS	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO								VS	NO
CHANNEL NEW *MV,NO,EC,SC,PB,VP,SB,VS*										
Channel substrate *MM,BE,BO,CO,CP,SA,SI,CL,PE,AR*	SI	SA								
Substrate shape *FL,CV,EL,SP,CU,PO,IR, Others - note*	NO									
Flow type *FF,CH,RW,UW,CF,RF,UP,SM,MP,NO*	NP	NO	RP	NP	SM	NP	NP	NP	RP	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO									
Channel feature(s) *MV,NO,RO,MB,VB,MT,TB*	NO									
RIGHT BANK TICK if fractional fence										
Material *MM,BE,BO,CO,CS,ES,PE,CL,CC,ZF,WF,GA,BR,RR,RW*	EA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,ED*	NO									
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	EC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL	IG	BL	IG	OR	OR	OR	OR
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	S	U	U	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	B	S	U	B	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	U	U	U	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	C	U	U	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL					IG	IG	IG	IG	

G CHANNEL VEGETATION TYPES *(10m wide transect - E.g. 3 if 30% cover) or tick (present) within 5m*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5						✓		✓	✓	✓
Bryophytes/lichens | PHLPAC										
Emerg broad-leaved herbs |										
Emerg reeds/sedges/rushes |										
Floating-leaved (rooted) |										
Free-floating |										
Amphibious |			✓	✓						
Submerged broad leaved |										
Submerg fine/linear leaved |										
Filamentous algae |	✓	E	E	E	E		✓			

SITE NO. 6916

1996 RIVER HABITAT SURVEY: SIDE SECTIONS

H SIDE SECTIONS *(to be assessed over a 5m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*	E		Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
"tall herbs" rural vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Recectioned	E	
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Floodplain			Reinforced - toe only		
Composite			Artificial revetments		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☐	☑
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: no [illegible]

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	4.0	Banktop width (m)	
Banktop height (m)	1.1	Water width (m)	1.6	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*	

If trashline lower than banktop break is slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☑ ALNUS
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE/NUISANCE PLANT SPECIES *(up to 3 of 5 listed - tick if present, write in abundance of others)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bracteatum

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
GRASS SNAKE

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (RHS)

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 64H

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Nyth-d Creek

Date 5/6/1996 Time: 16:20 Surveyor name JJL Accreditation code. PF47

Adverse conditions affecting survey? No ○ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ○ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ○ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ○ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick as appropriate)*

○ shallow vee ○ concave/bowl *(If U-shaped glacial valley - add "U")*

○ deep vee ○ symmetrical floodplain

○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ○ Yes ○ IFE : VALLEY FORM NOTES:

NUMBERS OF RIFFLES, POOLS AND OTHER FEATURES

Riffles 5 | Unvegetated point bars
Pools 5 | Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) SITE SURVEY

TALLY (use flill) for - Riffles 4HT Pools Uveg. side bars Veg. bars

SUBSTRATUM (SUBS)

Spot check 1 is: upstream ○ downstream ○

	1	2	3	4	5	6	7	8	9	10
FEATURE										
Material *BY,BE,BO,CO,CF,SA,G,CS,PE,AR*	CA	SP	EA	CA	ER	EA	BE	ER	EA	EA
Bank modification(s) *NE,NO,ES,RS,PC,BH,DA*	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *BY,NO,EC,SC,PB,VP,SB,TS*	NO	NO	NO	NO	NO	NO	NO	EC	NO	NO
CHANNEL										
Channel substrate * *BY,BE,BO,CO,CF,SA,G,CS,PE,AR*	GP	GP	SI	GP	GP	MU	BR	GP	GP	GP
Substrate shape *FL,CH,EL,SF,CU,NO,DI, Other = state*	CA	NA	NA	NA	NA	NA	NA	CL	SR	SR
Flow type * *FT,CH,BW,UW,CF,BF,SW,SH,WF,NO*	RP	SM	SM	SM	SM	SM	UW	RP	RP	GP
Channel modification(s) *NE,NO,CV,RS,BS,DA,FO*	RS	RS	NO	NO	NO	NO	NO	NO	NO	FO
Channel feature(s) *BY,NO,BD,MB,VB,SB,TS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *As BE,BO,CO,CB,SA,PE,CL,OC,SP,VE,CA,MA,SH*	CA	SP	EA	SA	EA	EA	EA	GA	EA	EA
Bank modification(s) *NE,NO,ES,RS,PC,BH,DA*	RE	RE	NO	NO	NO	NO	NO	NO	WP	NO
Bank feature(s) *BY,NO,EC,SC,PB,VP,SB,TS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, IOL, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SU	TH	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BANK	S	O	SU	S	S	S	S	O	S	C
LEFT BANK FACE *(structure)* BANK	S	O	U	U	U	S	S	O	S	S
RIGHT BANK FACE *(structure)* BANK	U	O	U	U	U	S	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* BANK	S	O	S	S	S	S	S	O	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SC	TH	OL	OL	IL	OL	OL	OL

VEGETATION

NONE / PLANT OSIGRA - tick first 5		V			V					
Bryophytes/lichens										
Emerg broad-leaved herbs *Nasturtium*				V						
Emerg reeds/sedges/rushes *Sparganium*			V	V						
Floating leaved (rooted)										
Free-floating										
Amphibious *Sium erect Berula*	V		V	V					V	
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E		E	V		E	V	V	V	V

SITE NO. 64H

RIVER HABITAT SURVEY (RHS) SITE SURVEY

PREDOMINANT LAND USE WITHIN 50m OF SURVEY (tick all that apply)

	L	R		L	R
Broadleaved/mixed woodland (BL)	✓	E	Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Meorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	✓

BANK PROFILES

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi continuous	✓	○
Continuous	○	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	○	✓	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	○	○	○
Cascades(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	✓	○	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	○	✓	○	Vegetated mid-channel bar(s)	✓	○	○
Boil(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	○	✓	○
Pool(s)	✓	○	○	Vegetated side bar(s)	○	✓	○

Indicate predominant flow sequence *(select up to three features)*: Glide Riffle

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Banktop height (m)	0.45	Banktop width (m)	4.6	Banktop height (m)	0.45
Embanked height (m)		Water width (m)	3.0	Embanked height (m)	
		Water depth (m)	0.2		

If trapezium lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ○ run or glide ○ other ○ *(tick one box)*

MAN-MADE FEATURES

None ○ Number of Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ○ Yes, <33% of site ○ >33% of site ○

RIVER CORRIDOR MANAGEMENT

None ○ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

OCCURRENCE OF SPECIAL INTEREST

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ○ YES ○

INVASIVE PLANTS

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Rhododendron bushes

PHYSICAL IMPACTS

Major impacts: landfill - tipping - litter - mineral workings - pollution - dredging - abstraction - canal - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tiling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink mustela - heron - dragonflies/damselflies

Other significant observations:

BANKSIDE TREES

Alder? None ○ Present ○ Extensive ○ Diseased Alder? None ○ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY: SITE RECORD

BACKGROUND MAP-BASED INFORMATION

Altitude(m): Slope (m/km): Flow category (1-10):
Solid geology code: Drift geology code: Planform category:
Distance from source (km): Significant tributary ? Navigation ?
Height of source (m): Water Quality Class:

SURVEY DETAILS

Reference network site number: 6018

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Mill

Date 6/6/1996 Time: 9:00 Surveyor name: JJC Accreditation code: PF43

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

PREDOMINANT VALLEY FORM (choose one from each column)

○ shallow vee ○ concave/bowl (If U-shaped glacial valley - add "U")

○ deep vee ✓ symmetrical floodplain

○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ IFE VALLEY FORM NOTES:

NUMBERS OF UNITS SURVEYED ON EACH SIDE

Riffles: Unvegetated point bars:
Pools: Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: EXTENSION SHEET

TALLY (use JHI) for - Riffles Pools Unveg. side bars Veg. point bars

Spot check 1 is: upstream ✓ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	NU	NU	NU	NU	NU	NU	NU	NU	NU
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

ENVIRONMENTAL AND VEGETATION STRUCTURE

Land use: choose one from IR, CP, OR, SOR, HC, TH, RP, IO, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	WL	WL	WL	WL	IG	IG
LEFT BANK-TOP (structure within 1m) SUDAC	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) SUDAC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) SUDAC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) SUDAC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	WL	TH	TH	IG	WL	IG	IG	IG

PLANNED MANIPULATIONS

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	—	—	—	—	—	—	—	—	—	—
Bryophytes/lichens	YE									
Emerg broad-leaved herbs	✓	✓								
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓									
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6018

SIDE SECTIONS OF BANKTOP HABITATS

	L	R		L	R
Mixed/deciduous woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	✓
Pasture (PA)			Open water (OW)		
Amenity herbs/ meadow/vegetation (HE)	E	E	Suburban/urban development (SU)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Undercut	C	E	Resectioned		
Undercut + toe			Reinforced - whole bank		
Vertical/steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Poached			Artificial two-stage		
			Embanked	✓	✓
			Set back embankments		

ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	✓	✓
Isolated/scattered	✓	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	B (≥ 1m)
Shading of channel	✓	○	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

CHANNEL FEATURES

	None	Present	B (≥ 1m)		None	Present	B (≥ 1m)
Waterfall(s)	✓	○	○	Marginal deadwater	○	✓	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	✓	○	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	✓	○	○	Vegetated mid channel bar(s)	✓	○	○
Pool(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	○	✓	Unvegetated side bar(s)	✓	○	○
Poo(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Dominant flow sequence (select up to three features): Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIFFICULTIES

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Banktop height (m)	0.2	Banktop width (m) 6.5	Banktop height (m) 0.2
Embanked height (m)	—	Water width (m) 6.0	Embanked height (m) —
		Water depth (m) 0.4	

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ✓ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

ARTIFICIAL FEATURES

None ○ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

RIVER CHANNEL MANAGEMENT

None ○ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State .....

FEATURES OF RECREATIONAL INTEREST

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Pen ✓ Fleet ○

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

BOTANICAL NUISANCE PLANTS (tick one box per species)

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Hardy Rhododendron bushes

OTHER FEATURES

Major impacts: landfill - tipping - mines - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations: Wetland

This river used to be [illegible] stopped now [illegible]

RIVER BANK VEGETATION

Alders? None ✓ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 6419

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Shottisham

Date 6/6/1996 Time: 11.16 Surveyor name NJS Accreditation code. CF47

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (Cross-section)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE VALLEY FORM NOTES:-

D SUBSTRATUM AND FLOW TYPES

Riffles Unvegetated point bars

Pools Vegetated point bars

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (1500) SURVEY NUMBER 2614

TALLY (use 20ff) for Riffles Pools Unveg. side bars Veg. side bars

E PHYSICAL ATTRIBUTES

Spot check 1 in 10: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking D/S)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking D/S)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F RIPARIAN AND ADJACENT LAND USE

Land use: choose one from BL, CP, OR, ROS, SC, TH, RP, IG, TL, WL, OW, SD

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filam-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	E	E	E

1996 RIVER HABITAT SURVEY (1500) SURVEY NUMBER 2614

F RIPARIAN AND ADJACENT LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

H BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Eroded		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Undercut true roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Boil(s)	☑	☐	☐
Glide(s)	☑	☐	☐
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Pool

1996 RIVER HABITAT SURVEY (1500) SURVEY NUMBER 2614

K CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop width (m)		5.6		
Banktop height (m)	0.1			Banktop height (m) 0.1
Embanked height (m)		Water width (m)	5.5	Embanked height (m)
		Water depth (m)	0.4	

If trapfloor lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

L ARTIFICIAL WEIRS

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is weir impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M MAN-MADE RESERVOIR AND CANAL FEATURES

None ☑ Dredging ☐ Moving ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF RECREATIONAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P BANKSIDE HUMAN FEATURES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Some Rhododendron bushes

Q WATER QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Orange cheard, major flood: water quite murky under bridges

R BANKSIDE TREES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6920

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WESTERN CLEDDAU

Date 15/5/1996 Time: 15.45 Surveyor name G ROLLETT Accreditation code PB10

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
J.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use *||||*) for: Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is: upstream ☐ downstream ☐ (own entry only)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *(HM,ME,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,ES,BW)*	FA									
Bank modification(s) *(ME,MO,RS,RI,PC,BM,ED)*	NO									
Bank feature(s) *(HY,MO,EC,SC,FS,VP,SP,VS)*	VP	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL *(NB. Spot checks to be made at the edge of the channel)*										
Channel substrate *(HY,BE,BO,CD,OF,SA,SI,CL,PE,AR)*	SA	SA	SA	SA	SA	SA	SA	SI	SA	SA
Substrate shape *(FL,ON,EL,SP,CU,PO,IR, Others - note)*	NO									
Flow type *(FF,CH,BW,UW,CF,RF,UP,SM,HT,NO)*	SM									
Channel modification(s) *(ME,MO,CV,RS,RI,DA,FO)*	NO									
Channel feature(s) *(HY,MO,BO,MB,VB,MI,TR)*	NO									
RIGHT BANK TICK if functional fence										
Material *(HM,ME,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,ES,BW)*	FA									
Bank modification(s) *(ME,MO,RS,RI,PC,BM,ED)*	NO									
Bank feature(s) *(HY,MO,EC,SC,FS,VP,SP,VS)*	NO	NO	SC	NO	SC	NO				

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: IR, CP, OR, MH, SC, TH, RP, HG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	RP	WL	WL	WL	RP				
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	S	U	S	S	S	U		
LEFT BANK FACE *(structure)* B/U/S/C	U	S	U	U	S	U				
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	B	S	U					
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	U	U	S	S	S	U	
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	WL	OR	OR	RP	RP	OR	OR

G CHANNEL VEGETATION TYPES *(Use plot transect, A (2x5m strip) or bank (2x10m strip))*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	E	E					
Emerg reeds/sedges/rushes		✓	✓	E	✓	E	E	E	E	E
Floating-leaved (rooted)						✓				
Free-floating										
Amphibious										
Submerged broad-leaved					E					
Submerg fine/linear-leaved										
Filamentous algae	L	E	E	E	E	E	E	E	✓	E

6920

SITE NO.

1996 RIVER HABITAT SURVEY (SURVEY AND QUALITY) — Page 3 of 4

A PHYSICAL CHARACTERISTICS *(Use plot transect, A (2x5m strip) or bank (2x10m strip))*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*	E	E
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*		E	Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	E	E
Scrub *(SC)*			Open water *(OW)*		
"all herbs" rural vegetation *(TH)*			Suburban/urban development *(SU)*	✓	

B BANK CHARACTERISTICS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Poaching			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

C REVIEW OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

D REVIEW OF INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE

1996 RIVER HABITAT SURVEY (DIMENSIONS AND INFLUENCES) — Page 4 of 4

A CHANNEL DIMENSIONS *(Use plot transect, A (2x5m strip) or bank (2x10m strip))*

LEFT BANK				RIGHT BANK
Banktop height (m)		Banktop width (m)		Banktop height (m)
Embanked height (m)		Water width (m)		*Embanked height (m)*
		Water depth (m)		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

B HYDRAULIC FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT *(tick one box per bank (c))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☑	Flush	☐

E CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G OTHER CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
RAILWAY-LINE 10m FROM LEFT BANK.

H ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE tools for plant growth and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6421

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Frome Gwain

Date 16/5/1996 Time 10 30 Surveyor name G. Collett Accreditation code: F10

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
✓ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 10 | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS — Page 2 of

TALLY (use 5bf) for - Riffles 5bf | Pools | Unveg. side bars | Veg point bars

G PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* — one entry only

Spot check 1 is upstream ☐ downstream ✓

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	GA						→	GS	GS	EA
Bank modification(s)	NO									→
Bank feature(s)	EC	SC	SC	NO	SR	EC	SC	NO	EC	EC
CHANNEL NEW - indicate slope code										
Channel substrate	CO	CO	CO	CO	CO	GR	CO	CO	CO	CO
Substrate shape	UN	EL	EL	UN	IR	IR	UN	IR	IR	IR
Flow type	UN	RP	UN	UN	UN	RP	UN	UN	RI	RI
Channel modification(s)	NO									→
Channel feature(s)	NO									→
RIGHT BANK TICK if functional fence										
Material	BO	EA								→
Bank modification(s)	RI	NO	NO	NO	NO	NO	PC	NO	NO	NO
Bank feature(s)	NO	NO	EC	EC	NO	NO	NO	SC	SC	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, HG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL							→
LEFT BANK TOP *(structure within 1m)* B/U/S/C	U	U	S	S	B	S	S	C	C	C
LEFT BANK FACE *(structure)* B/U/S/C	B	B	S	B	S	S	S			→
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	B	U	B	S	B	B	S	S
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	S	U	U	U	S	U				→
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	RP			→

G CHANNEL VEGETATION TYPES *(Use a dot to estimate % cover of each species, e.g. ✓ = trace, ✓✓ = 5%, ✓✓✓ = 25%, ✓✓✓✓ = 50%)*

NONE / PLANT GENERA - list first 5				✓	✓	✓				
Bryophytes/lichens	Algae	✓	✓							
Emerg broad-leaved herbs	Sparg			✓						
Emerg reeds/sedges/rushes	Mint									
Floating-leaved (rooted)	Apium									
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	✓				✓	✓	✓	✓

SITE NO. 6421

1996 RIVER HABITAT SURVEY - SWEEP UP

H SUBSTRATE / FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

I PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	☐	☐
Continuous	✓	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

J PRESENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	☐	✓	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	☐	✓	☐
Bay(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - POOL

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES — Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	8.0	RIGHT BANK	
Bankfull height (m)	0.5	Water width (m)	4.0	Bankfull height (m)	1.5
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*	

If trapezium lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ✓ Roadbridges = Other =
Is water impounded by weirdam? No ☐ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

P NOTABLE AND ALIEN PLANT SPECIES

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

Q RIVER AND CATCHMENT CHARACTERISTICS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = FARMING & LOW GRADE AGRI

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

R ALDERS *(tick appropriate box)*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6922

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: 6 NYFER

Date: 12./1996 Time: 12.30 Surveyor name S. COLLETT Accreditation code. PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	7	Unvegetated point bars	1
Pools		Vegetated point bars	

ND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles 7 Pools 1 Unveg. side bars 1 Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/fenced	→	→	→	→	→	→	→	→	→	→
Material	CA	—	—	—	—	—	—	—	—	→
Bank modification(s)	NO	—	—	—	—	—	—	—	—	→
Bank feature(s)	NO	VS	SC	EC	SB	NO	EC	NO	EC	NO
CHANNEL NEW substrate/shape codes										
Channel substrate	SI	SA	SA	CO	CO	GP	GP	GP	GP	SA
Substrate shape	NO	NO	NO	CU	IR	IR	IR	IR	IR	NO
Flow type	SM	UW	SM	RP	UW	UW	UW	RP	RP	SM CH
Channel modification(s)	NO	NO	—	—	—	—	—	—	—	→
Channel feature(s)	NO	VB	NO	—	—	—	—	—	—	→
RIGHT BANK TICK if fenced/fenced										
Material	BO	CA	—	—	—	—	—	—	—	→
Bank modification(s)	RI	NO	—	—	—	—	—	—	—	→
Bank feature(s)	NO	SC	SC	NO	SC	SB	EC	EC	SC	SB

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, HN, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	SU	SC	BL	BL	RP
LEFT BANK TOP *(structure within 1m)* BU/SC	S	U	U	U	U	S	S	S	C	S
LEFT BANK FACE *(structure)* BU/SC	S	S	S	S	S	B	B	U	B	U
RIGHT BANK FACE *(structure)* BU/SC	B	B	S	S	U	S	B	—	—	→
RIGHT BANK TOP *(structure within 1m)* BU/SC	S	U	U	U	S	S	U	—	—	→
LAND USE WITHIN 5m OF BANK TOP (R)	SU	IG	IG	IG	IG	RP	—	—	—	→

G CHANNEL VEGETATION TYPES *(10m wide transect - RIVPACS area) or tick (present) "Plus" genera*

NONE / PLANT GENERA - list first 5	✓								✓	✓
Bryophytes/lichens Moss					E	✓	✓	E		
Emerg broad-leaved herbs Apium				✓	✓	E	✓			
Emerg reeds/sedges/rushes Ranunculus										
Floating-leaved (rooted) Algae										
Free-floating										
Amphibious		✓								
Submerged broad-leaved					✓					
Submerg fine/linear-leaved			✓	✓			✓			
Filamentous algae				✓						

6922

SITE NO. 6922 RIVER HABITAT SURVEY: SITE DETAILS Page 3 of 4

D CHANNEL SURFACE SEDIMENTS AND VEGETATION

	L	R		L	R
Bedrock			Boulder		
Cobble			Gravel		
Pebble			Sand		
Silt			Clay		
Peat			Artificial		
Vegetation type			Vegetation type		
Emergent			Submerged		
Floating			Filamentous algae		
Moss			Fringing vegetation		

E BANKTOP AND LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)	✓	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Lowland/heath (HN)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
"all herbs" rank vegetation (TH)			Suburban/urban development (SU)	✓	✓

F BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	✓	✓	Reinforced - top only		
Cattle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

G EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

H WATERCOURSE FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Bend(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.25	Bankop width (m)	9.5	Bankop height (m)	0.5
Embanked height (m)		Water width (m)	7.0	*Embanked height (m)*	
		Water depth (m)	0.25		

If trubbion lower than banktop break in steps, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐ ?

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

J ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

K EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

L FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

M CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N NOTABLE RIVERBANK PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O SOCIAL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

P ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6973

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: PEDRAN - CYCH

Date 6.7.6./1996 Time: 10'02 Surveyor name G COLLETT Accreditation code PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(if U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 (cascades) Unvegetated point bars

Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use JHT) for - Riffles Pools 1 Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* - 1 = one entry only

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	→	→	→	→	→					
Material *MN,BE,BO,CO,CE,LA,PE,CL,CC,SP,WP,GA,SH,SS,WW*	CA	CA	CA	CA	CO	CO	CA	CA	CA	CO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO									
Bank feature(s) *MN,NO,EC,SC,PB,VP,SB,VS*	ND	CC	SB	SC	CC	NO	CC	SC	SB	NO
CHANNEL - NEW - substrate, shape, codes =	Type across the channel (channel cross section) (from left bank looking downstream)									
Channel substrate * *MN,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	GP	BO	CO	GP	CO	CO	GP	GP
Substrate shape *FL,CN,CL,TP,CU,PO,TR, Others - note*	IR									
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,WP,NO*	RP	UW	RP	UW	UW	UW	CH	UW	RI	UW
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO									
Channel feature(s) *MN,NO,RO,MB,VB,MI,TR*	NO									
RIGHT BANK TICK if fractional fence										
Material *MN,BE,BO,CO,CS,LA,PE,CL,CC,SP,WP,GA,SH,SS,WW*	CO	BE	CA	—	—	→	CO	CO	CO	CO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	—	—	—	—	—	—	—	—	→
Bank feature(s) *MN,NO,EC,SC,PB,VP,SB,VS*	NO	EC	SC	SB	EC	NO	NO	NO	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	—	—	—	—	—	—	—	—	→
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	C	C	C	C	C
LEFT BANK FACE *(structure)* B/U/S/C	S	B	S	S	B	B	B	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	S	S	B	S	S	B	B	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	B	C	C	S	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	—	—	—	—	—	S	—	—	→

G CHANNEL VEGETATION TYPES *(10m wide transect, E (≥ 33% areal) or tick (present) within 5m of channel)*

NONE / PLANT GENERA - list first 5		✓		✓	✓		✓	✓	✓	
Bryophytes/lichens MOSS	✓		✓	✓			✓			
Emerg broad-leaved herbs PHRAG										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae				✓				✓		

SITE NO. 6973 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick ☑ if 33% areal cover) & Boundary Features*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE (within 1m of bankfull)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K EXTENT OF CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: FALLS, RAPIDS, RIFFLES

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a stretch of uniform section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	3.75	RIGHT BANK	
Banktop height (m)	1	Water width (m)	3	Banktop height (m)	1.25
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 500m upstream and downstream of site)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CROCKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick ☐ or E (≥ 33% areal cover) for LARGE STANDS of others eg)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron Bracken

R OVERALL CHARACTERISTICS *(Circle appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6926

Mid-site grid reference of network site if different from designated location:

Grid Reference: 569330 River: COTHI

Date: 5/6/1996 Time: 4.40 pm. Surveyor name: Smithers Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

DOMINANT RIFFLE AND POOL FEATURES

Riffles 4 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVERHABITAT SURVEY DIMENSIONS AND WIDTHS

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Bankop width (m)	24	Bankop width (m)	24.0	Bankop height (m)	2.4
Bankop height (m)	2.4	Water width (m)	20.0		
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*	

If trashline lower than bankop break in slope, indicate: height (m) = 1.5 width(m) = 22.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Ports =
Footbridges = Roadbridges = Other =
Is water impounded by weirs/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

PRESENCE OF SPECIAL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

JAPANESE KNOTWEED

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

RIVER MANAGEMENT

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Straight section of River [illegible]

ALDER

Alder? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVERHABITAT SURVEY CHANNEL SURVEY TRANSECTS

Spot check 1 = upstream 10 = downstream

	1	2	3	4	5	6	7	8	9	10
RIPARIAN ZONE										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SC	NO	EC	NO	SC	SC	SC	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NV	IR	FL	FL	FL	NV	FL	FL	IR	NV
Flow type *	RP	RP	RP	UW	RP	UW	RP	UW	UW	RP
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	VS	SB	SC	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from IR, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BA/NC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/NC	S	S	C	C	C	C	C	S	S	S
RIGHT BANK FACE (structure) BA/NC	S	S	C	C	C	S	S	S	S	C
RIGHT BANK TOP (structure within 1m) BA/NC	U	U	U	U	U	S	C	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	BL	IG	IG

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓				✓		E
Emerg broad-leaved herbs					✓		✓		✓	✓
Emerg reeds/sedges/rushes			✓		✓	✓	✓			✓
Floating leaved (rooted)						✓	✓			✓
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae					✓					✓

RIVERHABITAT SURVEY CHANNEL SURVEY SPOT CHECKS

	L	R		L	R
Mixed/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herb/ rank vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Cliff/undercut	E	E	Resectioned		
Cliff + toe	E	E	Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Flat			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Bend(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Other(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Is predominant flow sequence (*select up to three features*): RIFFLE RUN

1. BACKGROUND MAP AND SITE INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

Reference network site number: 6927

Mid-site grid reference of network site if different from designated location:

Grid Reference: 614370 River: MARRIS

Date 5.6.1996 Time: 3pm Surveyor name Lanthorne Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

2. DOMINANT VALLEY FORM(S)

- ☐ shallow vee
- ☑ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

3. SUBSTRATE/FEATURE CONDITIONS

Riffles 17	Unvegetated point bars 6
Pools 2	Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

4. QUANTITATIVE SURVEY DIMENSIONS

Taken (use RHS for - Riffles / Pools) Flowing Dry Not Visible Very Small Inac

PHYSICAL ATTRIBUTES

Spot check 1 u upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
CHANNEL SUBSTRATE										
Material *MM,BL,BO,CO,GL,AM,CA,OC,OL,MM,AA,A=	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) MM,MO,ES,SI,PC,BM,ESA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) MM,MO,EC,SC,PB,VF,SB,VS	SC	NO	SB	EC	EC	NO	SB	EC	NO	SB
FLOW CONDITIONS										
Channel substrate * MM,BL,BO,CO,CF,SA,SI,CL,F,AA	GP	GP	CP	GP	GP	GP	GP	GP	CP	GP
Substrate shape FL,DY,CL,SF,CU,NO,BL,Others - state	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type * FF,CH,RW,MW,CF,SF,UF,SM,MF,MO	UW	SM	RP	RP	UW	SM	SM	UW	RP	UW
Channel modification(s) ME,MO,CV,RS,SO,DA,FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) MM,MO,SO,MB,VB,SU,TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SUBSTRATE										
Material MM,BL,BO,CO,GL,AA,PE,CL,CF,SF,MM,GA,SA,AA,A=	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) ME,MO,ES,SI,PC,BM,ESA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) MM,MO,EC,SC,PB,VF,SB,VS	SB	SC	EC	SB	PB	PB	EC	NO	PB	EC
LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from BL, CF, OR, UR, EC, IN, SF, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BA/EC	S	S	U	C	U	U	U	U	S	U
LEFT BANK FACE (structure) BA/EC	S	S	S	B	B	S	B	B	C	B
RIGHT BANK FACE (structure) BA/EC	S	B	U	B	C	S	B	C	S	B
RIGHT BANK-TOP (structure within 1m) BA/EC	U	C	U	C	C	U	C	U	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SU	IG	IG	BL	SU	BL	SU	BL	BL

QUANTITATIVE VEGETATION SURVEY Page 2

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓									✓
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved								✓		
Submerg fine/filam leaved										
Filamentous algae							✓			

SITE NO. 6927

5. QUANTITATIVE SURVEY DIMENSIONS AND LINEAR FEATURES

CHANNEL DIMENSIONS (to nearest 0.1m) (Left/Right as viewed looking downstream)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Bankfull width (m)	10.0	Banktop height (m)	1.1
Embanked height (m)		Water width (m)	8.5	Embanked height (m)	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: — consolidated (compact) ☐ unconsolidated (loose) ☑ both/mixed ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

WATER LEVEL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

OTHER FEATURES OF CHANNEL AND BANKSIDE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Eroded/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

POTENTIAL CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

OTHER NOTABLE SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER NOTABLE FEATURES

Major impacts: bankfill - dredging - litter - sewage - pollution - drought - abstraction - weir - dam - road - rail - fishery - boating - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - herons - dragonflies/damselflies

Other significant observations: Ally if large point bars & deposition - general. Many fallen trees have CP pik. Pk bed often

RIPARIAN TREES

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

BANKSIDE LAND USE (to nearest 5m) (Left/Right as viewed looking downstream)

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Tall herb/ rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILE AND STRUCTURE (Left/Right as viewed looking downstream)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recectioned		
Vertical + toe			Reinforced - whole bank		
Sloop (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		✓
			Embanked		
			Set-back embankments		

RIPARIAN AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed backside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

WATERCOURSE FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - RUN

BACKGROUND/CATCHMENT INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 5929

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 802 292 River: Afon Ceam

Date 16/5/1996 Time: 10.15 Surveyor name: MS Accreditation code: PFGS

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (see back also)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☑ | IFE - VALLEY FORM NOTES:

MESOHABITATS, SUBSTRATA AND FEATURES

Riffles 9 Unvegetated point bars 3

Pools 1 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
... LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: TRANSECT CHARACTERISTICS

TALLY (use BM) for - Riffles 9 Pools 1 Unveg. side bars 11 Veg point bars

HYDROLOGICAL ATTRIBUTES (to be assessed across channel at each spot check)

Spot check 1 at: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
CHANNEL										
Material *see BE, BO, CO, CS, LS, PE, CL, CC, ZF, MP, CU, MM, ZZ, OW*	CO	EA	CA	CO	RR	EA	EI	EA	EA	EA
Bank modification(s) *NE, NO, ES, RI, PC, BM, ZN*	NO	NO	NO	NO	RI	NO	NO	NO	NO	NO
Bank feature(s) *NV, NO, EC, SC, PB, VP, SB, VS*	NO	SB	NO	SB	NO	EC	NO	NO	NO	SB
WATER COLUMN										
Channel substrate * *MF, BE, BO, CO, CP, SA, SI, CL, PE, AA*	GP	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape *FL, CV, CX, SV, CU, FO, CL, Others - see*	OV	OV	OV	OV	OV	OV	OV	OV	PO	OV
Flow type * *FF, CH, BW, UW, CF, SF, UP, SM, MP, NO*	BW	SM	SM	BW	RP	RP	SM	SM	SM	RP
Channel modification(s) *NE, NO, CV, RS, RI, DA, TO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV, NO, RO, WB, VB, MO, TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if (sketch on front)										
Material *see BE, BO, CO, CS, LS, PE, CL, CC, SI, MP, CU, MM, ZS, OW*	EA	CO	GS	EA	EA	CO	CO	EA	CO	CO
Bank modification(s) *NE, NO, ES, RI, PC, BM, ZN*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV, NO, EC, SC, PB, VP, SB, VS*	SB	PB	PB	SB	SB	EC	NO	PB	NO	NO

RIPARIAN LAND USE AND VEGETATION STRUCTURE (for 50m either side of transect)

Land use: choose one from BL, CP, OA, WH, BC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	OL	SL	IG	IG	SC	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* a/b/s/c	C	S	S	S	U	S	C	C	S	S
LEFT BANK FACE *(structure)* a/b/s/c	S	U	S	S	B	U	U	S	S	S
RIGHT BANK FACE *(structure)* a/b/s/c	S	B	B	S	S	B	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* a/b/s/c	S	S	B	S	S	S	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TH	SC	BL	IG	BL	BL	IG	IG

CHANNEL VEGETATION TYPES (Use DAFOR scale)

NONE / PLANT GENERA - list first 5										
NONE	✓	✓	✓	✓		✓	✓	✓	✓	.
Bryophytes/lichens										
Emerg broad-leaved herbs										.
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										.
Filamentous algae					✓				✓	✓

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	6.0	Banktop height (m) 0.4
Embanked height (m)		Water width (m)	4.5	*Embanked height (m)*
		Water depth (m)	0.1	

If bankfull lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurements is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ADDITIONAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT (last 5 years)

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State: Gravel extraction from side bar

FEATURES OF PARTICULAR INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Mertle Rhododendron ponticum

OTHER INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter (spat) water vole - kingfisher - dipper - grey wagtail (sand martin) - heron - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

Site No. 5929 | 1996 RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

BANK AND CHANNEL FEATURES

	L	R		L	R
Cliff/exposed weathered (BL)		✓	Rough pasture (RP)		
Hedgerow plantation (CP)			Improved/semi-improved grass (IG)	E	E
Wood (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Cliff/undercut	E	E	Resectioned		
Cliff + toe			Reinforced - whole bank		
Toe (<45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Vertical			Artificial two-stage		
			Pooched		
			Embanked		
			Set back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

MESOHABITATS, SUBSTRATA AND FEATURES

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

The predominant flow sequence *(select up to three features)*: Riffle - Run

1996 RIVER HABITAT SURVEY: SURVEY OUTLINE (Geology, Geology, Land Use, Source and Catchment) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6930

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: CILIENI

Date 15/5/1996 Time 13:30 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box)

Riffles	9	Unvegetated point bars	1
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use 'iiii' for 5) for Riffles 9 Pools Unveg. side bars Veg point bars

G PHYSICAL ATTRIBUTES (to be recorded across channel within 5m of each transect) per cross-section

Spot check 1 is upstream ☑ downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (factional force)										
Material	EA	EA	EA	EA	EA	EA	EA	CO	CO	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SG	SC	NO	NO	NO	EC	PB	NO	NO
CHANNEL										
Channel substrate	CO	CO	GP	CO	BR	CO	CO	CO	CO	BE
Substrate shape	IR	IR	IR	IR	CU	IR	IR	IR	IR	CU
Flow type	RP	RP	RP	SM	UW	SM	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (factional force)										
Material	EA	EA	EA	CO	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	SB	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 5m wide transect)

Land use, choose one from: BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	RP	IG	RP	BL	BE	BC
LEFT BANK-TOP *(structure within 1m)* BA/S/C	S	U	S	S	S	S	S	S	C	S
LEFT BANK FACE *(structure)* BA/S/C	S	B	S	S	S	S	B	B	B	S
RIGHT BANK FACE *(structure)* BA/S/C	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	IG	IG	IG

G PLANT SPECIES (to be recorded over a 5m wide transect)

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓		✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae	(blanket)								✓	✓ ✓

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

H CHANNEL DIMENSIONS (to be measured at one representative cross-section per riffle/run sequence)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	5.0	Banktop height (m)	0.5
Embanked height (m)		Water width (m)	5.0	*Embanked height (m)*	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES (within 50m of survey)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT (within 50m of survey)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF ECOLOGICAL INTEREST (within 50m of survey)

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) ...
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

L CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M PLANT SPECIES OF NUISANCE STATUS (within 50m of survey)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron bracken

N OVERALL RIVER MANAGEMENT (within 50m of survey)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter (mink) - water vole - kingfisher (dipper) grey wagtail - mud martin - heron - dragonflies/damselflies
NB mink reported by [illegible]
Other significant observations: Tree [illegible] valley - (100m [illegible]

O ALDER (within 50m of survey)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SURVEY OUTLINE (Geology, Geology, Land Use, Source and Catchment) Page 4 of 4

Site No. 6930

E LAND USE WITHIN 50m OF CENTRE (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

F BANK FEATURES (within 50m of survey)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reactioned		
Vertical + toe	✓		Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

G BANKSIDE TREES AND ASSOCIATED FEATURES (within 50m of survey)

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

H CHANNEL FEATURES (within 50m of survey)

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide - riffle - run

1996 RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6931

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 016 515 River: Honddu

Date: 15/5/1996 Time: 18:15 Surveyor name: MG Accreditation code: PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND ZONES

Riffles 15	Unvegetated point bars 4
Pools 3	Vegetated point bars 0

1. *COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO*
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY

TALLY (use DD) for - Riffles | | | | Usable, side bars | | Veg point bars

SITE PHYSICAL ATTRIBUTES

Spot check 1 m: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
Dominant bankside vegetation										
Material *	BO	EA	EA	EA	EA	EA	EA	CO	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	PB	NO	SB	NO	NO	EC	NO	NO
CHANNEL SURVEY										
Channel substrate *	CO	CO	GP	SI	GP	CO	GP	CO	CO	CO
Substrate shape	PO	PO	FL	WA	FL	FL	FL	PO	PO	PO
Flow type *	RP	SM	SM	NP	RP	RP	RP	RP	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	RO	NO
RIGHT BANK SURVEY (looking downstream)										
Material *	EA	EA	EA	EA	EA	EA	CO	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	PB	SC	NO	EC	NO	SB	SB

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, MN, SC, TH, RP, IG, FL, HE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL	IG	BL	IG	BL	IG	IG	IG
LEFT BANK-TOP *(structure within 5m)* BANKSIDE	S	S	S	S	S	S	S	U	S	U
LEFT BANK FACE *(structure)* BANKSIDE	S	S	S	S	S	S	S	B	S	B
RIGHT BANK FACE *(structure)* BANKSIDE	S	S	S	S	B	S	S	B	S	S
RIGHT BANK-TOP *(structure within 5m)* BANKSIDE	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	BL	BL	BL	IG	BL	BL

PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓	-				✓		✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved						✓				
Filamentous algae	✓	✓			✓		✓		✓	✓

TE NO 6931

SITE PHYSICAL ATTRIBUTES

	L	R		L	R
Rock/Bedrock (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Shelf + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Poaching			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☐	☑

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

1c predominant flow sequence *(select up to three features)*: E, Rif, Glide

1996 RIVER HABITAT SURVEY

CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK		Bankfull width (m)	14.0	RIGHT BANK
Bankfull height (m)	0.7	Water width (m)	3.0	Bankfull height (m) 0.6
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☑ Number of Culverts = Fords = Weirs = Outfalls = Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

ENHANCEMENT AND MAINTENANCE

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pen ☐ Fleuh ☐

CHOKED CHANNEL

Is 11% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

ADDITIONAL COMMENTS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad mantis - herons - dragonflies/damselflies

Other significant observations: ... Fallen trees ... B.C. ... G15

ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 6932

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO1163581 River: TRIFFRWD

Date 6/6/1996 Time: 5.15 pm. Surveyor name buttrim Accreditation code PF86

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

HABITAT FEATURES

Riffles 17 | Unvegetated point bars 6
Pools 1 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

PHYSICAL ATTRIBUTES

Spot check 1 in upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
BED/BANK SUBSTRATE										
Material *	EA	EA	BS	GP	CO	EA	CO	BR	BS	BE
Bank modification(s)	NO	NO	RI	NO	RS	RS	RI	RI	RI	NO
Bank feature(s)	EC	NC	NO	NO	NO	NC	NO	NO	NC	NO
CHANNEL										
Channel substrate *	GP	GP	CO	CO	GP	GP	AR	BE	BE	GP
Substrate shape	IR	IR	IR	IR	IR	IR	/	/	/	IR
Flow type *	BW	SM	UW	WM	UW	UW	CH	UW	CH	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	RO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material *	EA	EA	EA	EA	EA	EA	BR	EA	EA	EA
Bank modification(s)	PC	NO	NA	NO	NO	NO	RI	NO	NO	PC
Bank feature(s)	98	5%	5%	NO	EC	NO	NO	5%	NO	SB

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, SDN, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	IG	SC	TH	SW	SC	SC	BL	BL
LEFT BANK-TOP *(structure within 1m)* BANKVC	C	C	U	C	S	S	C	C	S	S
LEFT BANK FACE *(structure)* BANKVC	B	C	U	C	C	S	S	B	S	S
RIGHT BANK FACE *(structure)* BANKVC	B	S	B	S	B	C	S	B	C	S
RIGHT BANK-TOP *(structure within 1m)* BANKVC	U	U	U	S	C	C	C	C	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	SC	IG	IG

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	/		/	/		/	/	/	/	/
Emerg broad-leaved herbs	/			/		/			/	
Emerg reeds/sedges/rushes									/	
Floating-leaved (rooted)										✓
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filam-leaved										
Filamentous algae						✓	✓	✓	✓	

SITE NO 6932

RIVER CHANNEL AND BANKSIDE FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	✓	Open water (OW)		
Tall herbs* root separation (TH)	✓		Suburban/urban development (SU)	✓	

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned	E	
Vertical + toe			Reinforced - whole bank	E	E ✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		✓
			Embanked		
			Set-back embankment		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☑	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RAPLE - GLIDE - POOL

CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	7.0	RIGHT BANK
Banktop height (m)	0.9	Water width (m)	3.5	Banktop height (m) 0.9
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*

If trashline/lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CONTROL STRUCTURES

Name ☐ Number of Orifices = Weirs = 1 Outfalls = Fords =
Footbridges = 17 Roadbridges = 1 Other =
Is water impounded by weirs/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

RIVER CHANNEL MANAGEMENT

Name ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF PARTICULAR INTEREST

Name ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANT SPECIES

Name ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other Nettle, Rhododendron bushes

OTHER FEATURES

Major impacts: landfill - tipping - litter - sewerage - pollution - drought - abstraction - mill - dam - weed - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6933

Mid-site grid reference of network site if different from designated location:

Grid Reference: 270343 River: OLCHON BROOK

Date 6/6/1996 Time: 1.45 pm. Surveyor name Ian Thorn Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 8 Unvegetated point bars 0

Pools 12 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 1/5) for Riffles Pools IIII Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	GA	EA	EA	EA	EA	EA	BO	EA	CO
Bank modification(s)	NC	NC	NC	NC	NO	NO	NC	NO	NO	NO
Bank feature(s)	NO	NO	NO	NC	NC	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	BO	RE	RE	CO	BO	BO	BO	CO	BO	BO
Substrate shape	IR	/	/	IR	IR	IR	IR	IR	IR	IR
Flow type *	CH	UW	CH	CH	NP	CH	RP	NP	CH	CH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	BE	BO	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NC	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/U/C	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/U/C	S	S	S	B	U	U	U	B	U	B
RIGHT BANK FACE *(structure)* BA/U/C	S	S	S	U	B	S	U	S	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/U/C	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect)*

NONE / PLANT GENERA - list first 5					✓					
Bryophytes/lichens	E	✓	E	✓		✓	✓	✓	✓	E	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			✓		✓	✓			✓	✓

TE NO. 6933 1996 RIVER HABITAT SURVEY: SITE DETAILS Page 3 of 4

	L	R		L	R
adleaf/mixed woodland (BL)			Rough pasture (RP)		
iferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
h (SC)			Open water (OW)		
herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
ural/unmodified			Artificial/modified		
ical/undercut	✓	✓	Resectioned		
eal + toe			Reinforced - whole bank		
Steep (>45°)	/	/	Reinforced - top only		
ic	E	E	Reinforced - toe only		
rosite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

TREES *(tick one box per bank)* ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right		None	Present	E (≥ 33%)
None	☐	☐	Shading of channel	☐	☑	☐
Isolated/scattered	☑	☑	Overhanging boughs	☑	☐	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	☑	☐	☐
Occasional clumps	☐	☐	Underwater tree roots	☑	☐	☐
Semi-continuous	☐	☐	Fallen trees	☐	☑	☐
Continuous	☐	☐	Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☑	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☐	☑	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☐	☑	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Is predominant flow sequence (*select up to three features*): Waterfall - Cascade - Glide

(Step 2)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Bankop width (m)	2.2	Banktop height (m)	0.5
Embanked height (m)		Water width (m)	1.1	*Embanked height (m)*	
		Water depth (m)	0.05		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, < 33% of site ☐ > 33% of site ☐

K EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

L FEATURES OF PARTICULAR INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☑ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

M CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N NOTABLE PLANT SPECIES *(tick box(es) and list LARGE STANDS in box)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - mine - sewage - pollution - drought - abstraction - infil - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin heron - dragonflies/damselflies

Other significant observations: Steep Gradient - trotting - mountain stream 100% natural & very wild

P ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6937

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO670350 River: LEADON

Date 2/5/1996 Time: 18:40 Surveyor name P. Scoble Accreditation code. PF35

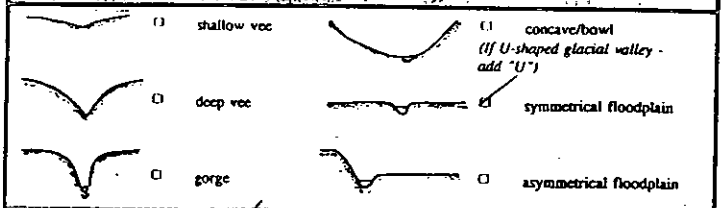
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use BM) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓									
Material ' HV,BE,BO,CO,CS,ZA,PE,CL,CC,ST,VT,GA,SA,SI,BW	EA	EA	EA	OA	CL	CL	BR	CL	CL	CL
Bank modification(s) ME,MO,RS,RI,PC,BM,EM	RS	RS	NO	RS	RS	RS	RS	NO	NO	NO
Bank feature(s) HV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL TICK if functional fence	✓									
Channel substrate ' HV,BE,BO,CO,CB,SA,SI,CL,PE,AR	SP	SP	SP	SP	SI	SP	BRP	SP	SP	SI
Substrate shape FL,CV,CC,ST,CU,PO,IR, Others - note	IR	IR	IR	IR	NA	IR	NA	IR	IR	NA
Flow type ' FF,CH,RW,UW,CF,BF,MF,SW,MP,NO	SM	RP	SM	RI	UW	SM	SM	SM	SM	SM
Channel modification(s) ME,NO,CV,RS,RI,DA,FO	RS	RS	NO	NO	NO	NO	NO	RS	NO	NO
Channel feature(s) HV,NO,RO,MB,VB,MI,TR	NO	RO	RO	NO	NO	NO	RS	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material ' HV,BE,BO,CO,CB,SA,SI,CL,PE,AR,BW	CL	EA	EA	EA	CL	CL	BR	CL	CL	EA
Bank modification(s) ME,NO,RS,RI,PC,BM,EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) HV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	VS	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	SU	BL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	S	B	C	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	S	S	S	B	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	S	S	S	S	B	U	S	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	B	U	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	SU	TL	TL	TL

G CHANNEL VEGETATION TYPES *(tick one box per column)*

NONE / PLANT GENERA - list first 5							✓	✓	✓	
Bryophytes/lichens		✓								
Emerg broad-leaved herbs		✓	✓	✓	✓					✓
Emerg reeds/sedges/rushes	✓	✓		✓	✓	✓				✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae					✓	✓				✓

SITE NO. 6937 1996 RIVER HABITAT SURVEY: SWEEP UP — Page 3 of 4

H BANKSIDE WITHIN 5m OF BANKTOP (% of 5m length)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' semi vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reactioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Sloop (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		✓
			Set-back embankments		

J DEVELOPMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 50m length)*

LEFT BANK		Banktop width (m)	2.70	RIGHT BANK	
Bankfull height (m)	1.00	Water width (m)	2.00	Banktop height (m)	1.10
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ENGINEERING FEATURES *(within 50m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N INFLUENCE OF RECENT MANAGEMENT *(within 50m of site (c))*

None ☐ Dredging ☐ Mowing ☐ Wood-cutting ☐ 2m6m15m ago
Enhancement ☐ Other ? State Tree cutting, bank reclaiming, hay

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state):	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ☑	Fen ☐	Flush ☐		

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS *(within 50m of site (c))* IFE PF35 LARGE STANDS (>20m²) ☐

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R ADDITIONAL OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: reluctancy of dd, channel probably dredged (also dd) Point bar large embankments of grey boxed possibly to retain valley (mill) and land use being cleared.

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6938

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 7023 34 River: LEADON

Date 2.5./1996 Time: 16:50 Surveyor name: P. Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(record total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 2 of 4

TALLY (use dot) for - Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES *(to be assessed across Channel = Side x Tape wide transect)* * = one ability only

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	/	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	GA	CL	CL	CL	EA	EA	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	FE	NO	NO	RE
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	SC
CHANNEL SUBSTRATE										
Channel substrate *	BP	BP	NV	SI	NV	BP	BP	BP	BP	BP
Substrate shape	NAV	NAV	—	NAV	—	NAV	IR	NV	NV	NV
Flow type *	SP	UP	SM	SM	NO	SP	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence		✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	EA	CL	EA	CL	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NA	NO	NO	NO	NO	NO
Bank feature(s)	NO	FE	SC	NO	EC	NO	SC	NO	NO	NO

F. BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, IC, TH, EP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	SU	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* M/U/S/C	U	U	U	U	U	U	S	U	U	U
LEFT BANK FACE *(structure)* M/U/S/C	C	S	C	S	C	C	C	S	S	S
RIGHT BANK FACE *(structure)* M/U/S/C	S	B	C	S	S	S	S	S	S	C
RIGHT BANK-TOP *(structure within 1m)* M/U/S/C	S	U	U	S	B	S	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	IS	IF	IF	IF	IF	IS	IS	IF

G. CHANNEL VEGETATION TYPES *(tick one column for each plant genera)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5		✓	✓	✓	✓		✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓					✓				

TE No. 6938 — 1996 RIVER HABITAT SURVEY — Page 3 of 4

C. LAND USE WITHIN 50m OF BOTH BANKTOPS — Tape 0-115m — Record % cover

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
Boulder clay (BC)			Suburban/urban development (SU)	✓	✓
Tall herbs* and vegetation (TH)					

D. BANK PROFILE

	L	R		L	R
Natural/semi-modified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

E. VEGETATION OF BANK AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

F. FEATURES OF CHANNEL

	None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Bar(s)	☐	☐	☑
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Note predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY — CHANNEL DIMENSIONS AND DISCHARGE — Page 4 of 4

C. CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	7.50	RIGHT BANK	
Banktop height (m)	1.60	Water width (m)	5.50	Banktop height (m)	1.30
Embanked height (m)		Water depth (m)	0.45	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.90 width(m) = 6.50

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐ ?

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

H. ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

I. EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

J. FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

K. CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

L. NOTABLE NUISANCE PLANT SPECIES — IF present LARGE STANDS ONLY

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron Bracken

M. OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

N. ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and species — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6939

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 830371 River: Un named.

Date 30/11/1996 Time: 17:35 Surveyor name P. Stubbs Accreditation code. PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☑ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use 5bf) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* — one entry only

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SI,MP,GA,MR,RR,BW*	EA	EA	EA	EA	EA	BR	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	No	No	No	No	No	RS	No	No	No	No
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No
CHANNEL										
Channel substrate *MV,BE,BO,CO,GF,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	RA	BE	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	NA	AR	NA	NA	NA
Flow type *FF,CH,RW,UW,CF,RP,UP,SH,MP,NO*	SM	MP	MP	SM	SM	SM	SM	MP	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	No	No	No	No	No	RS	No	No	No	No
Channel feature(s) *MV,MO,BO,MB,VB,MI,TR*	No	No	No	No	No	No	No	No	No	No
RIGHT BANK TICK if fractional fence										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,MP,GA,MR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	No	No	No
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	No	No	No	No	No	No	No	No	No	No

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL
LEFT BANK TOP *(structure within 1m)* BA/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/S/C	C	C	C	C	C	S	S	C	C	S
RIGHT BANK FACE *(structure)* BA/S/C	S	S	S	U	U	S	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	U	U	S	S	S	S	S	U	B	U
LAND USE WITHIN 5m OF BANK TOP (R)	IL	IL	BL	BL	BL	TH	BL	TL	TL	IL

G CHANNEL VEGETATION TYPES *(Record % cover of each vegetation type present within the channel)*

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓					
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Phal.					✓	✓	E	E	E
Floating-leaved (rooted)										
Free-floating										✓
Amphibious							✓		/	
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae								✓	✓	E

SITE NO. 6939 — 1996 RIVER HABITAT SURVEY

H SOIL AND SURFACE GEOLOGY OF BANKTOP *(Record % of each type present)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Retaining	✓	✓
Vertical + toe			Reinforced - whole bank	✓	E
Steep (> 45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched	✓	
			Embanked		
			Set-back embankments		

J ENCROACHMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.40	Banktop width (m)	5.90	Banktop height (m)	1.50
Embanked height (m)		Water width (m)	3.20	*Embanked height (m)*	
		Water depth (m)	1.30		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q SPECIES OF NUISANCE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R OVERALL MANAGEMENT CONDITION

Major impacts: landfill - tipping - tithe - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very deep, much [illegible] bank. Large areas of Phalaris in channel (remnant of old bank + new growth). Chokes channel in places but not >33%. (maybe in summer?)

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6940

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 992367 River: CARRANT BROOK

Date 30/4/1996 Time: 11.50 Surveyor name P. Scarlett Accreditation code PF 35

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(Indicate total number)*

Riffles 8 Unvegetated point bars

Pools Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use ⫶⫶ for 5) for - Riffles 4 | 4 | 1 | 1 Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 as: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if fractional fence										
Material *(BE,BO,CO,CS,SA,PE,CL,CC,SI,WP,GA,AR,BR,SW)*	EA	CA	EA	EA	CA	CC	EA	EA	CA	CC
Bank modification(s) *(NE,NO,RS,RI,PC,BM,DA)*	No	No	No	No	No	RS	No	No	No	No
Bank feature(s) *(NV,NO,EC,BC,PB,VP,SB,VS)*	No	No	EC	No	No	No	SB	No	No	No
CHANNEL - VIEW										
Channel substrate *(MP,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SI	SI	SI	GP	GP	SP	SI	SI	SI	SI
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others = ----)*	NA	IR	NA	NA	NA	ER	NA	NA	NA	NA
Flow type *(FF,CH,BW,UW,CF,RP,UP,SM,MP,NO)*	SM	SM	SM	SM	SM	RP	SM	RP	NP	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	No	No	No	No	No	RS	No	No	No	No
Channel feature(s) *(NV,NO,RO,MB,VB,MT,TR)*	No	No	No	No	No	No	No	No	No	No
RIGHT BANK - TICK if fractional fence										
Material *(BE,BO,CO,CS,SA,PE,CL,CC,SI,WP,GA,AR,BR,SW)*	EA	EA	EA	CL	CL	CC	EA	EA	EA	CL
Bank modification(s) *(NE,NO,RS,RI,PC,BM,DA)*	No	No	No	No	No	RS	No	No	No	No
Bank feature(s) *(NV,NO,EC,BC,PB,VP,SB,VS)*	No	No	SB	No	No	No	EC	No	No	No

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TL	SC	TH	SU	TH	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	S	U	R	S	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	U	S	S	S	S	S	S	U	U	U
RIGHT BANK FACE *(structure)* BA/US/C	S	S	S	U	S	B	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	U	R	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TH	BL	TH	TH	SU	TH	TL	TL	TL

G CHANNEL VEGETATION COVERS *(Tick all categories >25% cover; >5% cover) or tick (present) within transect*

NONE / PLANT GENERA - list first 5	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
Bryophytes/lichens	✓ ✓
Emerg broad-leaved herbs	
Emerg reeds/sedges/rushes	
Floating-leaved (rooted)	
Free-floating	
Amphibious	✓
Submerged broad-leaved	
Submerg fine/linear-leaved	
Filamentous algae	✓

H LAND USE WITHIN 50m AND 5m OF BANKTOP *(Assess 50m from bankside; 5m from bankside)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Conifer plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Amenity/parkland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Coniferous/"urban" rural vegetation *(TH)*	E	E	Suburban/urban development *(SU)*	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/unmodified	✓	✓	Artificial/modified		
Vertical/undercut			Reinforced	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Slope (>45°)	E	E	Reinforced - top only		
Gabions			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None		
Isolated/scattered		
Regularly spaced, single		
Occasional clumps		
Semi-continuous		
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel			✓
Overhanging boughs			✓
Exposed bankside roots	✓		
Underwater tree roots		✓	
Fallen trees	✓		
Coarse woody debris			✓

K PRESENCE OF CHANNEL FEATURES

	None	Present	E (>33%)
Waterfall(s)	✓		
Cascade(s)	✓		
Rapid(s)	✓		
Riffle(s)		✓	
Pool(s)		✓	
Deep(s)	✓		
Glide(s)		✓	
Marginal deadwater	✓		
Exposed bedrock	✓		
Exposed boulders	✓		
Unvegetated mid-channel bar(s)	✓		
Vegetated mid-channel bar(s)	✓		
Mature island(s)	✓		
Unvegetated side bar(s)		✓	
Vegetated side bar(s)	✓		

Indicate predominant flow sequence *(select up to three features)*: glide / pool

L CHANNEL DIMENSIONS *(Assess at a point where the channel is not unduly influenced by bridges, weirs, etc.)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5M	Banktop width (m)	4.5	Banktop height (m)	1.25
Embanked height (m)		Water width (m)	1.2	Embanked height (m)	
		Water depth (m)	0.10		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF RECREATIONAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Cart ☐
Debris dams ☒(E) Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q PRESENCE OF INVASIVE PLANT SPECIES *(Tick all species present on or adjacent to the survey reach)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: small boat through tilled land, know past seems to be managed for game. Fork, pheasants, rabbits, Tunnels & bridge. Small abstraction point, not likely used when survey carried out - Riffle 1 = Tail.

S ALDERS *(tick one box for each)*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1998 RIVER HABITAT SURVEY (with IFE mods for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6941

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP053375 River: UN-NAMED

Date 30/4/1996 Time: 09:30 Surveyor name: P Seedall Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*

(duplicate will be made by scanning) and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 16 Unvegetated point bars —

Pools | Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use diff) for - Riffles HH/III Pools | Uneveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ² on stony substrate only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓	✓	✓					✓		✓
Material ¹ *wv,BE,BO,CO,CS,La,PE,CL,CC,SI,SP,WF,GI,BA,ES,RW*	EA	EA	EA	EA	EA	EA	EA	EA	CL	CL
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *wv,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if fractional fence										
Channel substrate ¹ *wv,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	CL	SI	SI	SI	CL	CL
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - new*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type ² *FF,CH,BW,UW,CF,BP,UP,SM,MP,NO*	RP	RP	RP	SM	RP	RP	SM	SM	BW	SM
Channel modification(s) *NE,MO,CV,RS,RI,DA,FO*	NO	NO	NE	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *wv,MO,RO,WB,VB,MT,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence	✓	✓	✓					✓		✓
Material ¹ *wv,BE,BO,CO,GI,La,PE,CL,CC,SP,WF,GI,BA,ES,RW*	EA	EA	EA	LA	CL	EA	EA	CL	CL	CL
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	CS/IR	IR/EM	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *wv,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP/LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TH	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	E	U	S	S	S	U	B	C
LEFT BANK FACE *(structure)* B/U/S/C	C	S	S	S	S	S	E	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	C	C	S	C	S	S	E	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	S	U	B	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TH	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(Count occurrences 1-5 (1-33% cover) or tick (>33% cover) within 5m of X)*

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓		✓				✓
Bryophytes/lichens					✓					
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes							✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6941 1996 RIVER HABITAT SURVEY: SIDE OF CHANNEL Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick ✓ if >5%, record % if <5%)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		✓
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	✓	✓	Suburban/urban development *(SU)*		

I BANK SIDE VEGETATION *(tick ✓ if >5%, record % if <5%)*

	L	R		L	R
Natural/unmodified	✓	✓	Artificial/modified		✓
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		✓
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Pool(s)	☐	☐	☑
Chute(s)	☑	☐	☐
Side bar(s)	☐	☑	☐
Point bar(s)	☑	☐	☐

	None	Present	E
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence *(select up to three features):* riffle/run/glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at the mid-site grid reference)*

LEFT BANK		Banktop width (m)	2.20	RIGHT BANK	
Banktop height (m)	1.25	Water width (m)	0.75	Banktop height (m)	1.40
Embanked height (m)		Water depth (m)	0.04	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = | width(m) = 1.90

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =

Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RIVER MANAGEMENT *(tick one box)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐

Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick one box)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q BANKSIDE RIPARIAN PLANT SPECIES *(tick one box)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R ARTIFICIAL STRUCTURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small river through agricultural land, lined by hedge/trees. Kingfisher evident. Deer present in the area - according to landowner.

S BANKSIDE TREE SPECIES *(tick one box)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE model (or plant records and species list) Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6942

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP157384 River: KNEE BROOK

Date 13/5/1996 Time: 14.50 Surveyor name P Kemble Accreditation code PF 11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(minimum total number = 10)*

Riffles 41 Unvegetated point bars 1

Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: IN-STREAM Sheet 2 of 4

TALLY (use flat) for Riffles 41 Pools 111 Unveg. side bars 1 Veg point bars

E BIOTOPIC ATTRIBUTES *(to be assessed across channel within a 10 m wide transect)*

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional zone										
Material *(BE,BO,CO,CE,LA,PC,CL,CC,SI,SP,VF,GA,BR,ER,AR)*	EA	EA	EA	EA	EA	EA	EA	CL	GA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ED)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO
CHANNEL TICK if functional zone										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	BE	SI	SI	CL	GP	GP	GP	CL	CO	CO
Substrate shape *(FL,CH,EL,IF,CU,FO,IR, Others - note)*	FL	NA	NA	NA	NA	IR	IR	NA	FL	FL
Flow type * *(FF,CH,BW,UW,CF,RP,UP,SM,MP,NO)*	UU	UU	SM	RP	RU	UU	VU	SM	UU	UU
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,VB,NI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone										
Material *(BE,BO,CO,CE,LA,PC,CL,CC,SI,SP,VF,GA,BR,ER,AR)*	EA	EA	EA	EA	EA	EA	SA	CL	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ED)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NI	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, HN, IC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	IG	SC	SC	IG	SC	SC	SC	SC
LEFT BANK-TOP *(structure within 1m)* BA/HC	U	S	U	S	C	U	S	C	C	S
LEFT BANK FACE *(structure)* BA/HC	S	S	S	S	S	S	U	S	U	S
RIGHT BANK FACE *(structure)* BA/HC	U	U	S	U	U	S	U	U	B	S
RIGHT BANK-TOP *(structure within 1m)* BA/HC	S	S	S	S	S	S	U	U	S	S.
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	RL	RL	RL

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5			✓	✓	✓		✓	✓	✓	✓
Bryophytes/lichens	✓	✓				✓	✓			✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DESIGNS Sheet 3 of 4

H CHANNEL DIMENSIONS *(to be measured at a typical riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.50	Banktop width (m)	7.0	Banktop height (m)	1.50
Embanked height (m)		Water width (m)	0.80	*Embanked height (m)*	
		Water depth (m)	0.08		

If trapezium lower than banktop break in slope, indicate: height (m) = 0.65 width(m) = 2.0

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES *(within 50m of site)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J RECENT CHANNEL MANIPULATION *(within 50m of site)*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF SPECIAL INTEREST *(within 50m of site)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

L CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M INVASIVE PLANT SPECIES AND NOXIOUS WEEDS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other Nettle, Rhododendron bracken

N OTHER HUMAN IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small meander step features, debris dams from small encroaches by bank - with silver, long-tiller shadows, shade tiller shade moss. Overgrown with Elder and Bramble.

O BANKSIDE TREES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: CHANNEL SURVEY Sheet 4 of 4

SITE NO. 6942

P CHANNEL SURVEY

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	✓		Suburban/urban development *(SU)*		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Q TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☐	☑

R CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle → Run

1996 RIVER HABITAT SURVEY with IFE mods (no plant species and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6944

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 3507 3099 River: SUARE

Date 30/5/1996 Time: 1110 Surveyor name PHAMULE Accreditation code. PFH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 24 Unvegetated point bars 0

Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

V6

1996 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of

TALLY (use 5bf) for - Riffles 111 Pools 111 Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel width of 1m wide transect)* * = use code (p4)

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (reinforced)										
Material *(BE,BO,CO,CB,EA,PE,CL,CC,SP,VP,GA,SA,SI,BW)*	CL	CL	CL	EA	CB	CB	EA	CL	EA	CA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	RI	NO	NO	NO	NO	NO	RI
Bank feature(s) *(WP,NO,EC,SC,PB,VP,SB,VS)*	SC	NO	NO	NO	NO	NI	NO	NI	NO	NO
CHANNEL										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	CO	GP	SI	CO	CO	GP	CO	CL	GP
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - note)*	IR	OV	IR	NA	EL	EL	IR	EL	NA	IR
Flow type * *(FF,CR,BW,UW,CF,RP,UP,SM,WP,NO)*	RP	UW	UW	SM	RP	SM	UW	RP	SM	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(BW,NO,BO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (reinforced)										
Material *(BE,BO,CO,CB,EA,PE,CL,CC,SP,VP,GA,SA,SI,BW)*	CL	CL	CL	CL	CL	CL	CL	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(WP,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, HH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TH	TH	SC	SC	TH	TH
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U	S	S	S	S	S	C	S	U	U
LEFT BANK FACE *(structure)* BA/US/C	U	U	U	B	U	U	S	S	U	U
RIGHT BANK FACE *(structure)* BA/US/C	U	S	S	U	S	U	S	U	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	S	S	C	U	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	TH	SC	TH	SC	TH

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5				✓						
Bryophytes/lichens	✓	✓	✓							✓
Emerg broad-leaved herbs (Rumex sp. Veronica)	✓			✓						✓
Emerg reeds/sedges/rushes (Phalaris)							✓			✓
Floating-leaved (rooted)										
Free-floating										
Amphibious (Ranunculus sp.)	✓					✓	E	✓		✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	E	✓		E	✓	✓	E		E

1996 RIVER HABITAT SURVEY SITE NO. 6944 Page 3 of 4

H LAND USE WITHIN 50m AND 50-100m OF BANKTOP (%)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	✓	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I BANK PROFILE AND SUBSTRATE

	L	R		L	R
Natural/unmodified			Artificial/modified	L	R
Vertical/undercut	✓	✓	Reactoned	✓	
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J DOMINANT BANKSIDE VEGETATION AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K WATER COLOUR AND CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Pool Glide

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop width (m)	2.70		Banktop width (m)	
Banktop height (m)	0.50	Water width (m)	2.25	Banktop height (m)	0.30
Embanked height (m)		Water depth (m)	0.08	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☑

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q RIPARIAN AND INSTREAM PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R LAND USE IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselflies

Other significant observations: Moderate steep eroded stream all round indicates flooding though visible, grass and woodland, Shallow stream with bed bank Riparian vegetation left beside pole, meadow to the east.

S ALDERS (see separate sheet)

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with TEN mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6946

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Ouse

Date 31/5/1996 Time: 12.40 Surveyor name JJL Accreditation code. PF43 ~~PF85~~

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO R. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DH) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence			✓	✓	✓	✓	✓	✓	✓	✓
Material ' *NY,BE,BO,CO,GS,EA,PE,CL,CC,SI,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW *substrate, shape, flow, modifications, features*										
Channel substrate ' *NY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	GP	NV	GP	GP	GP	GP	GP	GP
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - new*	NA	IR	NA	NA	IR	NA	IR	IR	NA	NA
Flow type ' *FF,CN,BW,UW,CF,RF,UF,SM,MP,NO*	RP	UW	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,NE,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										✓
Material ' *NY,BE,BO,CO,GS,EA,PE,CL,CC,SI,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	IG	IG	IG	IG	TH	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* *BF/S/C*	U	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *BF/S/C*	U	S	B	U	U	S	U	U	U	U
RIGHT BANK FACE *(structure)* *BF/S/C*	U	S	U	U	U	S	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* *BF/S/C*	U	U	U	U	U	U	U	U	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	IG	IG	IG	IG	SU	SU	SU

G CHANNEL VEGETATION TYPES *(10m wide transect, E (≥ 33% area) pc (use increment) SOR (pick all ...)*

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											
Emerg broad-leaved herbs		✓		✓		✓	✓				
Emerg reeds/sedges/rushes	✓	✓			✓	✓					
Floating-leaved (rooted)											
Free-floating											
Amphibious		✓							✓	✓	
Submerged broad-leaved	✓	✓	✓		✓	✓		✓			✓
Submerg fine/linear-leaved		✓	✓								
Filamentous algae	✓	E	✓	✓	✓	✓	E	E	E	E	

SITE NO. 6946 1996 RIVER HABITAT SURVEY: SWEEP UP Page 3 of 4

H BANKSIDE LAND USE (within 50m of channel) (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)	E	✓	Suburban/urban development *(SU)*		E

I BANK PROFILE (Use bankside features)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetted		
Vertical + toe			Reinforced - whole bank	✓	
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J SIGNIFICANCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K OCCURRENCE OF FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(All measurements at the site on a straight and uniform section, preferably across a riffle)*

LEFT BANK		Bankfull width (m)		RIGHT BANK
Banktop height (m)		Water width (m)		Banktop height (m)
Embanked height (m)		Water depth (m)		*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Pea	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es) to indicate LARGE STANDS of each)*

None ☐ Giant Hogweed ☑ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Scrub Rhododendron bracken

R OVERALL CHARACTERISTICS *(consider 10m wide transect)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6947

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 691347 River: G Ouse

Date: 31/5/1996 Time: 13:50 Surveyor name: JJL Accreditation code: PF43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles / Unvegetated point bars —

Pools / Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use JHI) for - Riffles 1 Pools Unveg side bars Veg point bars

G PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one, carry only

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RS,BW*	BR	WP	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW *substrate, shape codes*	Silt, Gravel, Cobble, Boulder, Bedrock, Concrete, Pollution, Artificial, Other (state)									
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	AR	CO	GP	GP	GP	SI	NV	NV	NV	NV
Substrate shape *FL,CV,EL,SP,CU,PO,IR, Others - state*	NA	IR	IR	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,BW,UW,CP,RP,UP,SM,NP,NO*	RP	UW	RP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RI	NO	NO	NO	RS	RS	RS	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *See BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RS,BW*	BR	WP	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	B	U	U	U	S	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	B	U	U	U	U	S	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	B	U	U	S	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	S	S	S	S	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	BL	CL	CL	BL	TH	BL	BL	BL

G CHANNEL VEGETATION TYPES *(for whole transect; 5-25, 33% area)* *(tick appropriate) NONE*

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens		✓								
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Phalaris	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)						✓				
Free-floating				✓						✓
Amphibious		✓					✓	✓	✓	
Submerged broad-leaved		✓	✓		✓	✓				
Submerg fine/linear-leaved			✓							
Filamentous algae		✓	✓	✓		✓	✓	✓	✓	✓

SITE NO. — 1996 RIVER HABITAT SURVEY: 500m SWEEP UP — Page 3 of 4

H LAND USE WITHIN 50m OF CHANNEL *(for whole transect; 5-25, 33% area)* *(tick appropriate)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	I
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation (TH)		✓	Suburban/urban development *(SU)*		E

I BANK CONSTRUCTION AND MATERIALS *(for whole transect; 5-25, 33% area)* *(tick appropriate)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J RECENT FEATURES AND ASSOCIATED FEATURES *(for whole transect; 5-25, 33% area)*

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K FEATURES OF CHANNEL *(for whole transect; 5-25, 33% area)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Gl e.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(for a representative section of channel, preferably across a riffle)*

LEFT BANK		Banktop width (m)	4.5	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	4.0	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within channel and on banks)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(within channel and on banks)* *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(for whole transect; 5-25, 33% area)* IFE note LARGE STANDS of plants

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bracken

R OVERALL CHARACTERISTICS OF REACH

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code:	Drift geology code:	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 6948

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Ardoury Brook

Date 5/6 /1996 Time: 9.25 Surveyor name JWL Accreditation code. RF93

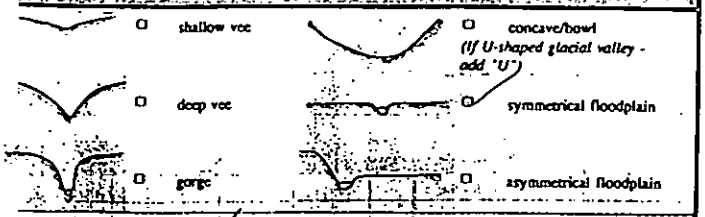
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS *(Indicate total number)*

Riffles 4 Unvegetated point bars 1

Pools 3 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for: Riffles Pools Unveg. side bars Veg point bars

E. PHYSICAL ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK CHARACTER										
Material	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Bank modification(s)	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	CO	GP	GP	GP	GP
Substrate shape	IR	NA	NA	NA	IR	NA	IR	OW	NA	IR
Flow type	SM	SM	SM	SM	RP	RP	RP	CC	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NA	NO	NO	NA	NO	NO	NO	NO	NO	NO
RIGHT BANK CHARACTER										
Material	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Bank modification(s)	RS	RC	AO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, HH, RC, TH, RP, FO, IL, WE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	OL	OL	OL	BL	OL	TH	TG	TF	TG
LEFT BANK-TOP *(structure within 1m)* MMMC	D	S	S	S	S	S	U	U	U	U
LEFT BANK FACE *(structure)* MMMC	D	U	U	U	U	U	U	U	U	S
RIGHT BANK FACE *(structure)* MMMC	D	D	D	U	U	U	U	S	U	S
RIGHT BANK-TOP *(structure within 1m)* MMMC	D	D	U	U	U	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TG	TG	SP	TG	TG	TG	TG	TG	TG

G. CANNY VEGETATION SURVEY

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓								
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)								✓	✓	✓
Free-floating					✓					✓
Amphibious				✓						
Submerged broad-leaved			✓	✓		✓		✓	✓	✓
Submerg fine/linear-leaved	✓			✓		✓	✓	✓	✓	✓
Filamentous algae	E	✓	✓	✓	✓	✓	E	E	E	E

Elephin

1996 RIVER HABITAT SURVEY — Page 3 of 4

SITE NO. 6948

H. LAND USE WITHIN SURVEY CORRIDOR

	L	R		L	R
Industrial/derelict woodland (IW)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Lowland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs" semi vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I. BANK MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Actual/undercut	E	E	Resectioned		
Overhangs + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
Slide	/	/	Reinforced - toe only		
Cliff/pronite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J. VEGETATION AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K. CHANNEL FEATURES

	None	Present	B		None	Present	B (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock outcrop(s)	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.5	Bankfull width (m)	8.0	Banktop height (m)
Embanked height (m)		Water width (m)	7.0	Embanked height (m)
		Water depth (m)	0.5	

If inundation lower than banktop break in slope, indicate height (m) = width(m) =

Bed material at site is: consolidated (rock) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: ... riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ☑ Roadbridges = Other = Disused Railway

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O. FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nepal Rhododendron bracteatum

R. OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MAFF - other? =

Animals: otter - mink - water vole Kingfisher dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:
Very nice fast flowing slow/deep water many plants, fish
Very large Pike. Good site

S. ALDER CHECK

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A1 BACKGROUND MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

A2 FIELD SURVEY DATA

Reference network site number: 6449

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Arel

Date 5.6.1996 Time: 11:20 Surveyor name W L Accreditation code: (RFA)

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☑ (tick as appropriate)

C PREDOMINANT FACE (FORM)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")

☐ deep vee ☑ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

D CHANNEL FEATURES

Riffles | Unvegetated point bars
Pools | Vegetated point bars

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVPACS SURVEY DIMENSIONS AND INFLUENCES

TALLY (use ||||) for - Riffle | A | Pools | Using side bars

A3 UPSTREAM CATCHMENT SOURCES

Spot check 1 in: upstream ☑ LEC dependent ☐

	1	2	3	4	5	6	7	8	9	10
Material	CC	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B1 CHANNEL SUBSTRATE

Channel substrate	AR	GP	NV	NV	NV	NV	NV	NV	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	BW	SM	SM	SM	SM	SM	SM	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B2 RIGHT BANK

Material	CC	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	NO

B3 FUNCTION AND USE AND MODIFICATION STRUCTURES

Land use: choose one from BL, CP, OR, MR, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	WL	TL	TL	TL	TL	TH	TL	TL	
LEFT BANK-TOP (structure width 1m) BANK	N	S	U	U	U	U	U	U	U	
LEFT BANK FACE (structure) BANK	N	U	S	U	U	U	U	U	U	
RIGHT BANK FACE (structure) BANK	N	U	U	S	S	U	U	U	U	
RIGHT BANK-TOP (structure width 1m) BANK	N	U	S	U	S	S	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	SU	WL	TL	WL	IG	UL	TH	TH	TH	TH

B4 VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	IA								
Emerg broad-leaved herbs	✓	✓								
Emerg reeds/sedges/rushes		✓	✓	✓	✓	✓	✓	✓	✓	
Floating-leaved (rooted)		✓	✓		✓	✓	✓	✓	✓	
Free-floating										
Amphibious		✓				✓	✓	✓	✓	
Submerged broad-leaved										
Submerg fine/linear-leaved			✓	✓	✓	✓		✓	✓	
Filamentous algae	✓									

1996 RIVPACS SURVEY DIMENSIONS AND INFLUENCES

B5 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.5	Banktop width (m)	10	Banktop height (m)
Embanked height (m)		Water width (m)	9.0	Embanked height (m)
		Water depth (m)	0.25	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurements in: riffle ☑ run or glide ☐ pool ☐ other ☐ (tick one box)

B6 CONSTRUCTIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

B7 ENGINEERING OPERATIONS

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

B8 FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

B9 CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

B10 ROYAL HORTICULTURAL SOCIETY (RHS) TREES AND SHRUBS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? (name) Rhododendron bracteatum

B11 OTHER INFLUENCES

Major impacts: bankfull - dipping - flows - groyne - pollution - drought - obstruction - mill - dam - weed - full - industry - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink marten - heron - dragonflies/damselflies

Other significant observations: Large spawning Carp

B12 TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☑	☑
Continuous	☐	☐

B13 ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥ 33 %)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☒	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

B14 CHANNEL FEATURES

	None	Present	5 (≥ 33 %)		None	Present	5 (≥ 33 %)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Glide Riffle

B15 BANKSIDE TREES

Alders? None ☑ Present ☐ Extensive ☐ Dipsacus Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6950

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Broughton Brook

Date 6/2/1996 Time: 0.17 Surveyor name: JJC Accreditation code: PFCS

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 Unvegetated point bars —

Pools 2 Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see DD) for - Riffles Pools || Unveg. side bars Veg point bars

A - PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional zone*										
Material *(BE,BO,CO,CS,EA,FC,CL,CC,ZF,VF,GA,SM,SA,AV)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,EC,SC,FA,VF,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *TICK if functional zone*										
Channel substrate * *(BE,BO,CO,CF,SA,GravelCS,FE,AA)*	SI	SA	SA	SI	SS	SS	CS	SS	SS	SS
Substrate shape *(FL,OV,EL,IF,CO,FO,CL,Others - see)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *(TT,CH,RW,UW,CF,RF,UP,SM,NP,NO)*	NP	RP	SGR	SGR	SGR	SGR	SGR	NP	NP	NP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	RS	RS	RS	RS
Channel feature(s) *(NV,NO,PO,WB,VS,MO,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional zone*										
Material *(BE,BO,CO,CS,EA,FC,CL,CC,ZF,VF,GA,SM,SA,AV)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,EC,SC,FA,VF,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B - BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, HY, SC, TR, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m) MARGIC*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* MARGIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* MARGIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m) MARGIC*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

C - CHANNEL VEGETATION TYPES *(10 x 1m² quadrats in 2 x 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs					✓ Apium					
Emerg reeds/sedges/rushes			✓ Phalaris		E	✓	E	E	E	E
Floating-leaved (rooted)										
Free-floating						Lemna				✓
Amphibious		✓	✓	✓	✓	✓	✓			
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	E	E	E	✓	✓	✓	✓		

SITE NO. 6950 1996 RIVER HABITAT SURVEY SITE PHOTOGRAPH RECORD

D - LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
...ous/mixed woodland (BL)			Rough pasture (RP)		
...niferous plantation (CF)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (HY)			Wetland (eg bog, marsh, fen) (WL)		
...ub (SC)			Open water (OW)		
...herbs" rural vegetation (TH)			Suburban/urban development (SU)		

E - BANKTOP/LAND USE FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
...dical/undercut			Resectioned	E	E
...ical + toe			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
...ercuts			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

F - TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33 %)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

G - INSTREAM CHANNEL FEATURES

	None	Present	E (≥ 33 %)		None	Present	E (≥ 33 %)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

...ate predominant flow sequence *(select up to three features)*: Glide pool.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

H - CHANNEL DIMENSIONS *(in the vicinity of the ten spot checks)*

LEFT BANK		Bankfull width (m)	5.2	RIGHT BANK	
Bankfull height (m)	2.0	Water width (m)	0.4	Bankfull height (m)	2.0
Embanked height (m)		Water depth (m)	0.8	*Embanked height (m)*	

If trapezium lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I - ARTIFICIAL FEATURES *(indicate all that apply)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J - EVIDENCE OF RECENT MANAGEMENT *(within channel and on banks)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K - FEATURES OF SPECIAL INTEREST *(tick one box per column)*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

L - CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

M - NUISANCE PLANT SPECIES *(indicate all that apply)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

N - OVERALL CHARACTERISTICS *(for the whole 500m stretch)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wag(tail) - sand martin - heron - dragonflies/damselflies

Other significant observations:
Small trees + shrubs running through SE TL.

O - ALDERS *(tick one box)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY — Woods for plant species and enclosure — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6951

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 070367 River: FLIT.

Date 19.6.1996 Time: 10.20 Surveyor name: N. GRIEVE Accreditation code: PF 12.

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)* MURKY WATER (cloudy)

IFE single photograph, general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☒ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D PROPORTION OF RIFFLES, POOLS AND POINT BARS *(visual estimate to nearest 5%)*

Riffles 5 — Unvegetated point bars

Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 2 of 4

TALLY (use DAY) for - Riffles | Pools | Unveg side bars | Veg point bars

A PHYSICAL ATTRIBUTES *(Note the dominant across channel within the spot check)*

Spot check 1 = upstream ... 10 = downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional force										
Material	EA	SA	EA	EA	EA	SA	EA	EA	EA	SA
Bank modifications(s)	NO	RS	RS	RS	NO	NO	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SR	SR	NO	NO
CHANNEL										
Channel substrate	SA	SA	GP	CA	GP	SA	CP	SA	SI	SI (SI)
Substrate shape	NA	NA	PO	NA	PO	NA	PO	NA	NA	NA
Flow type	SM	SM	LW	SM	UW	RP	UW	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional force										
Material	SA	OR	EA	EA	EA	EA	EA	EA	EA	SA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OA, HR, IC, TH, UP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	BL	TH	IG	TH	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* MAJOR	C	U	C	S	U	S	C	C	C	C
LEFT BANK FACE *(structure)* MAJOR	S	C	S	C	C	S	C	S	C	C
RIGHT BANK FACE *(structure)* MAJOR	U	B	U	U	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* MAJOR	U	U	U	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	TH	TH	TH	TH	TH	TH

C VEGETATION SPECIES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				✓	✓					✓
Emerg reeds/sedges/rushes			✓			✓		✓	✓	✓
Floating leaved (rooted)			✓	✓		✓		✓		✓
Free-floating					✓					✓
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓			✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓		✓	✓	✓	✓

SITE NO. 6951

1996 RIVER HABITAT SURVEY — CHANNEL SURVEY — Page 3 of 4

A CHANNEL DIMENSIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut			Recectioned	E	E
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	✓		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

+TL = including "Dead field" (SA) = steep edge with wind break.

B CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☒
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

	None	Present	E		None	Present	E
Waterfall(s)	☒	☐	☐	Marginal dead-water	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid channel bar(s)	☒	☐	☐
Boil(s)	☐	☐	☒	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE (RIFFLE)

1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES — Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	7.0	Banktop height (m)	2.0
Embanked height (m)		Water width (m)	2.9	Embanked height (m)	
		Water depth (m)	0.5		

If trashline lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 5.0

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B CHANNEL FEATURES

None ☒ Number of: Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C RIVER CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
RECENT RS OF BHB Enhancement ☐ > Other ? State Tree clearance (RHB)

D LOCATION OF CHANNEL MODIFICATIONS

Name ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) ☐

E CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G ADJACENT LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - deforestation - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies (damselflies)

Other significant observations: Uniform channel - culverted RS - Caloptenya sp. - Platycnemis sp. ponds, running water. BL woodland well OK

H ALDERS

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

(a couple of old ones)

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6952

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Compton Stream

Date 24/5 /1996 Time: 11:13 Surveyor name JJL Accreditation code PF43

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(natural features only)*

Riffles 1 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use DIY) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for the channel and banks alone - not valley slope or floodplain)* (Use only one)

Spot check 1 = upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material (ve, bo, co, cb, gl, la, pe, cc, si, ... cl, si, sd, gv)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (ne, ho, rs, ri, pc, ma, zm)	RS	RS	RS	RS	RS	RS	RS	NO	RS	RS
Bank feature(s) (ev, ho, ec, ic, fo, ev, ti, vs)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate (ve, bo, co, cp, sa, si, cl, pe, ra)	SI	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape (fl, ov, el, sp, cu, fo, ir, ...)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (ff, ch, gw, uw, cf, rf, uf, sm, mf, no)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (ne, no, cv, rs, ri, da, fo)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (ev, no, po, is, ve, ri, ti)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material (ve, bo, co, cb, ca, pe, cl, cc, si, ... ca, si, sd, gv)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (ne, no, rs, ri, pc, da, zm)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (ev, no, ec, ic, fo, ev, ti, vs)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from (bl, cf, or, wm, sc, tn, rp, ig, tl, wl, ow, su)

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) (a/u/s/c)	U	U	U	U	U	S	S	S	U	U
LEFT BANK FACE (structure) (a/u/s/c)	U	U	U	U	U	S	U	S	S	S
RIGHT BANK FACE (structure) (a/u/s/c)	U	U	U	U	S	S	U	S	S	S
RIGHT BANK-TOP (structure within 1m) (a/u/s/c)	U	U	U	U	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	RP	IG	IG	IG	IG	IG	IG

G VEGETATION SURVEY

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				✓						
Emerg reeds/sedges/rushes	E	E	E						E	✓
Floating leaved (rooted)										
Free-floating										
Amphibians							✓			
Submerged broad leaved										✓
Submerg fine/linear leaved										
Filamentous algae		✓	✓	✓	E	E	C	E	E	C

SITE NO. 6952 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H CHANNEL MODIFICATIONS AND ENGINEERING *(within 50m of survey)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	G	E
Orchard (OR)			Tilled land (TL)	F	
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)		E	Suburban/urban development (SU)		

I BANK MATERIAL AND PROFILE

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	✓	☐	☐	Meuers wood(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: G1 S

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ENGINEERING Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	7.0	RIGHT BANK	
Bankfull height (m)	2.0	Water width (m)	3.5	Bankfull height (m)	2.0
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If trapezium lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ both/unsure ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

N FEATURES OF ARCHAEOLOGICAL INTEREST

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

P INVASIVE PLANTS

None ☐ Giant Hogweed ☐ (Heracleum Mantegazzianum) Japanese Knotweed ☐ Other? Himalayan Balsam, Rhododendron bracteatum

Q COMMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations

R ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

6953 1996 RIVER HABITAT SURVEY with IFE mods for plant species and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6953

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Tyne

Date 24/5/1996 Time: 10.20 Surveyor name JJL Accreditation code. PF43

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

✓	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS? *(indicate total number)*

Riffles	/	Unvegetated point bars	/
Pools	/	Vegetated point bars	/

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use ///) for Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = spot entry only

Spot check 1 vs. upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *WW,BE,BO,CO,CS,EA,PE,OL,CC,SP,WP,GA,BA,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW: substrate, shape codes *FL,OV,CO,BO,GR,SA,SI,CL,PE,AR,ST,PO,BL,Others - note*										
Channel substrate ' *WV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape *FL,OV,EL,SP,CU,PO,BL,Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type ' *FF,CH,RW,UW,CF,RP,UP,SM,MP,NO*	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *WW,BE,BO,CO,CS,EA,PE,OL,CC,SP,WP,GA,BA,RR,RW*	EA	EA	EA	BR	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BE	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m) BR/S/C*	S	S	S	S	U	U	U	U	S	U
LEFT BANK FACE *(structure) BR/S/C*	S	S	S	S	S	U	U	U	U	S
RIGHT BANK FACE *(structure) BR/S/C*	S	S	S	B	S	U	U	U	S	S
RIGHT BANK-TOP *(structure within 1m) BR/S/C*	U	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(1m wide transect, E if >33% across channel, within 1m (transect) 300m upstream)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓		
Emerg reeds/sedges/rushes	✓	✓				✓			✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6953 1996 RIVER HABITAT SURVEY: 500m SURVEY UNIT (SHEET 3 OF 4)

H LAND USE WITHIN 50m OF CENTRE OF SURVEY REACH

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' semi vegetation (TH)			Suburban/urban development *(SU)*		E

I BANK CHARACTERISTICS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recetioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

K CHANNEL FEATURES OUTSIDE SURVEY REACH

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(at or as close as possible to a bankfull section - preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Bankfull width (m)	3'0	Bankfull width (m)			
Bankfull height (m)	0.4	Water width (m)	4.0	Bankfull height (m)	0.4
Embanked height (m)		Water depth (m)	0.6	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

M ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ✓

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	✓	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	✓
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE RIVERBANK PLANT SPECIES *(>33% bankside) - IFE mod LARGE STANDS of others*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

R OVERALL CHARACTERISTICS *(Current and Recent Past)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6954

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL334351 River: Rib

Date: 23/5/1996 Time: 14:20 Surveyor name: J.U Accreditation code: PF43

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ✓ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	1
Pools	1	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use 5's) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type *	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	EC	EC	EC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, IW, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	U	U	U	C	C	C	U	C
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	S	S	S	S	S	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	S	B	B	B	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	S	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥ 33% aerial) or tick (present) 50m 'catch all')*

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 6954 — 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (for 1 or 2 bankside sections) *(1 = present, 2 = dominant)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* - rank vegetation *(TH)*			Suburban/urban development *(SU)*	E	

I BANK SECTIONS *(1 = present, 2 = dominant)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: 1) Riffle 2) Run 3) Glide

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at the mid-point of uniform sections, preferably across a riffle)*

LEFT BANK		Banktop width (m)	1.5	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	—	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	—	*Embanked height (m)*	

If trapezoid lower than banktop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

M ARTIFICIAL FEATURES *(within and adjacent to channel)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 2 Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(use 0 or E (≥ 33% aerial cover) - IFE note LARGE STANDS of others eg*

None ☐ Giant Hogweed ✓ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(Circle appropriate words; tick all that are necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with 'TIE' codes for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6456

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Cam

Date 22.5./1996 Time: 15.20 Surveyor name JJC Accreditation code. PFL3

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick and 'local' identify)*

Riffles	Unvegetated point bars
Pools ✓	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 2 of

TALLY (use pdf) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 m upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (functional)										
Material	CA	CA	CA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	SI	SI	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (functional)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, HC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	SC
LEFT BANK-TOP *(structure within 1m)*	U	U	S	U	S	S	S	S	S	S
LEFT BANK FACE *(structure)*	U	U	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)*	S	S	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

G PLANT INFORMATION *(TICK if functional feature)*

NONE / PLANT GENERA - list first 5	✓	✓	✓	\			✓			
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes					✓					
Floating leaved (rooted)										
Free-floating										
Amphibious				✓						✓
Submerged broad-leaved										✓
Submerg fine/linear-leaved										
Filamentous algae						✓		✓	✓	✓

SITE NO. 6456 — 1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 3 of 6

H LAND USE (within 50m of top of bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs* marg vegetation (TH)	F		Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical - toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	☐	☐
Continuous	☐	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	✓	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: 1 dc

1996 RIVER HABITAT SURVEY — DIMENSIONS AND JUNCTIONS — Page 4 of

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	14.5	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	4	*Embanked height (m)*	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water suspended by weirflow? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CROSS-CHANNEL PROFILE

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R DISTURBANCE INDICATORS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - cut - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - grazing - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS' FAN

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1)
Planform category
Navigation

B SURVEY DETAILS

Reference network site number: 6957

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 672312. River: PANT

Date: 10/5/1996 Time: 11.00 Surveyor name: N. GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

(NB) WATER VERY BROWN

Bed of river visible? No ☒ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (15)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☒ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND CONTROLS *(indicate total number)*

Riffles 2

Pools

Unvegetated point bars

Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use DAY) for - Riffles || Pools Uneveg. side bars Veg. point bars

E PHYSICAL ATTRIBUTES *(to be recorded across channel within 2 m wide transect)* * = one spot check point

Spot check 1 is upstream ... downstream (1)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *(SA, BE, SO, CO, CS, LA, PC, CL, OC, SP, OT, CA, BR, AR, ST)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RT, PC, BH, ES)*	RS	RS	RS	RS	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NO, EC, SC, FS, VT, ES, TS)*	NO	NO	NO	NO	SC	NO	NO	NO	EC	NO
CHANNEL										
Channel substrate * *(BE, BO, CO, CP, SA, SI, CL, PE, AA)*	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Substrate shape *(FL, CP, EL, SP, CU, PO, OL, Others - note)*	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN
Flow type * *(FF, GW, BW, UW, CF, EF, UP, SW, RP, PO)*	UP	RP	RP	RP	RP	UN	RP	RP	UP	SW
Channel modification(s) *(NE, NO, CV, RS, RI, DA, FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NO, BO, MB, VB, MI, TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material *(SA, BE, SO, CO, CS, LA, PC, CL, OC, SP, OT, CA, BR, AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RT, PC, BH, ES)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NO, EC, SC, FS, VT, ES, TS)*	SC	NO	SC	NO	SC	EC	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be recorded over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, HR, SC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* MARGIC	U	U	U	U	U	U	C	U	U	U
LEFT BANK FACE *(structure)* MARGIC	U	U	U	U	S	S	S	U	B	U
RIGHT BANK FACE *(structure)* MARGIC	U	S	S	S	S	U	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* MARGIC	U	S	S	U	C	C	U	U	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SU	SU	SU	TT	TL	TL	TL	BL	TL

G CHANNEL VEGETATION TYPES *(Use DAFOR scale)*

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs	Eupatorium sp								
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/filiform-leaved									
Filamentous algae									

USE CAT'S EYE CHANNEL USE

SITE NO. 6957 1996 RIVER HABITAT SURVEY: SPOT CHECKS

H RIPARIAN AND ADJACENT LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (HR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

I BANK AND SHORE MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankments		

J CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	Extensive (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Undercover tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Course woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	Extensive (≥ 33%)		None	Present	Extensive (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☐	☒	Vegetated mid-channel bar(s)	☒	☐	☐
Bend(s)	☐	☐	☒	Meanx island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN - GLIDE (- RIP)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Bankop width (m)		6.0	
Bankop height (m)	1.5	Water width (m)	5.0	Bankop height (m)
Embanked height (m)	—	Water depth (m)	NV	Embanked height (m)

If riverbank lower than bankop break in slope, indicate: height (m) = — width (m) =

Bed material at site is: consolidated (compact) ☐ ? unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

M MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? Stone .....

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHANNEL CHANGE

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q INVASIVE PLANT SPECIES *(tick one box per species)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododend.

R OTHER FEATURES

Major impacts - landfill - dipping - litter - sewage - pollution - dumping - vehicles - mill - dam - road - rail - bridges - boating - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other?

Land Management: set-aside (buffer strip) headland - abandoned land - parkland - MaD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/dam.

Other significant observations: Meandering channel - mostly steep b

S INVASIVE ANIMAL SPECIES

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with full moody of plant species and cover Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 6958

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 793334 River: COLNE.

Date 9/5/1996 Time: 16:15 Surveyor name N. GRIEVE Accreditation code PF 12

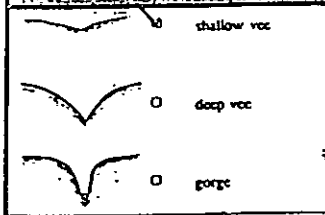
Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (3)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C DOMINANT VALLEY FORM (tick one box only)



☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D DOMINANCE OF RIFFLES, POOLS AND POINT BARS (tick one box per row)

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use DTI) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES (To be recorded across channel within a 1m wide transect)

Spot check 1 to upstream ↓ downstream (1)	1	2	3	4	5	6	7	8	9
LEFT BANK: TICK (✓) if present									
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	%	%	%	%	%	%	%	%	%
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL									
Channel substrate *	SP	SP	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NV	W	A	A	A	A	A	A	A
Flow type *	SM	SM	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK (✓) if present									
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	%	%
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide transect)

Land use: choose one from AL, CF, OR, UH, IC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TH	TL	TH	TH	WL	WL	SU
LEFT BANK TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	U
LEFT BANK FACE (structure) BANK	S	S	U	S	U	U	S	S	U
RIGHT BANK FACE (structure) BANK	S	S	U	U	U	S	U	U	S
RIGHT BANK TOP (structure within 1m) BANK	S	S	U	U	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TL	TL	TH	TH	TH	TH	TH

G PLANT SPECIES LIST (Bankside vegetation)

NONE / PLANT GENERA - List first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs	Epilobium sp								
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/linear-leaved									
Filamentous algae									

SITE NO. 6958 1996 RIVER HABITAT SURVEY SPOT CHECKS Page 3 of 4

H BANKSIDE FEATURES (Tick all that occur in 10m wide transect)

	L	R		L	R
Broadleaf/mixed woodland (BL)		☒	Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	☒	☒
Orchard (OR)			Tilled land (TL)		☒
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	☒	
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	☒	☒	Suburban/urban development (SU)	☒	☒

I BANK TOP/FACE PROFILES (Tick all that occur in 10m wide transect)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recectioned	☒	☒
Vertical + toe			Reinforced - whole bank	☒	☒
Steep (>45°)		☒	Reinforced - top only		
Gentle			Reinforced - toe only	☒	
Composite			Artificial two-stage		
			Poached		
			Embanked	☒	☒
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☒	☒ (more often on left)
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐
Cascade(s) (mini)	☐	☒	☐
Rapid(s)	☒	☐	☐
Riffle(s) (L)	☐	☒	☐
Run(s)	☒	☐	☐
Pool(s)	☒	☐	☐
Glide(s)	☒	☐	☐
Pool(s) (mini)	☐	☒	☐

	None	Present	E (≥33%)
Mid-channel deadwater	☐	☐	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☒	☐	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: STAGNANT (NP)

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	0.75	Water width (m)	14.0	Bankop height (m)
Embanked height (m)	—	Water depth (m)	NK	*Embanked height (m)*

If trapezium: lower than bankop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M ANTHROPOGENIC FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords = 1
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒ (95%)

N RIVERSIDE LAND MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other? State TREE PLANTING (within 50m bank)!!

O FEATURES OF AESTHETIC APPEAL

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bay ☐ > Other (state) WETLAND
Bankside/side channels ☒ Natural open water ☐ Cave ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P SCHEDULED PLANTS

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? (Nettle) Rhododendron !

R OTHER FEATURES

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction (mill) dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - broadland - abandoned land - purchased - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud sources - horses - dragonflies/damselflies

Other significant observations: SM Banks leading up to Mill - channel dramatically changes D/C of Mill

S ARTIFICIAL BARRIERS

Absent? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: fourth mods (for plant genera and recording) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6959

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 809309 River: COLNE

Date 9/5/1996 Time: 14.00 Surveyor name: N. GREVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (12)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND CONNECTIONS *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for : Riffles Pools Uneven side bars Vegetated point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* * = one entry only.

Spot check 1 = upstream ... downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	EA	CC	E2	E2	E2	E2	EA	E2
Bank modification(s)	NO	NO	NO	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	NO	SC	SC	NC	NO	SC	NO
CHANNEL TICK if functional fence										
Channel substrate *	SI	GP	GP	GP	SI	SI	SI	SI	SI	SI
Substrate shape	RO	OV	NV	NV	NV	RO	RA	RA	RO	RA
Flow type *	SM	SM	NP	NP	NP	NP	NP	NP	SM	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, SC, TH, RT, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	SC	BL	TH	IG	IG	IG	TH	BL	BL
LEFT BANK-TOP *(structure within 1m)* BU/SC	S	S	S	U	U	U	U	U	S	S
LEFT BANK FACE *(structure)* BU/SC	S	S	S	B	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BU/SC	S	S	U	U	S	U	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* BU/SC	U	U	U	U	U	U	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	TH	IG	IG	TH	IG	TH	TH

G. CHANNEL VEGETATION TYPES *(Estimate % cover of each type)*

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens			✓			✓	✓			✓	✓
Emerg broad-leaved herbs		✓		✓				✓	✓	✓	✓
Emerg reeds/sedges/rushes				✓	✓			✓	✓		✓
Floating leaved (rooted)									✓		
Free-flowing											
Amphibious					✓						✓
Submerged broad leaved		E	✓						✓	✓	✓
Submerg fine/linear leaved											
Filamentous algae		✓	E	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6959 1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 3 of 4

B PHYSICAL ATTRIBUTES (continued)

	L	R		L	R
Coniferous/mixed woodland (BL)	✓		Rough pasture (RP)		
Deciduous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs* rank vegetation (TH)		✓	Suburban/urban development (SU)		✓

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Exposure			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		✓

C FREQUENT FEATURES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Undercover tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

D CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal dead water	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE / STRAIGHT

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.8	Bankfull width (m)	8.0	Banktop height (m) 0.8
Embanked height (m)	/	Water width (m)	8.0	Embanked height (m) /
		Water depth (m)	0.5	

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

B CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C MANAGEMENT OF RIPARIAN AND ADJACENT LAND

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pea ☐ Flush ☐

E CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

G OTHER OBSERVATIONS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering lowland channel.

H BANKSIDE TREES

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

(some old scrappy ones!)

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6960

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: BOK

Date 22/5/1996 Time: 16:20 Surveyor name: G COLLETT Accreditation code: PPLG

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* POURING RAIN

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	2
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use ||||) for: Riffles 1 Pools Unveg. side bars 1 Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 4m wide transect)* * = one entry only

Spot check 1 vs upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *	EA									→
Bank modification(s) ME,MO,RS,RI,PC,BM,EM	NO									→
Bank feature(s) WV,MO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	EC	NO	PB	NO
CHANNEL *(to NEW - naturally present, added etc.)*	*Spot check 1 vs upstream ☑ downstream ☐*									
Channel substrate *	SA	SA	SA	SA	SA	SA	SA	SA	SI	SI
Substrate shape FL,OV,ID,SP,CU,PO,IR, Others - see	NO									→
Flow type *	RP	RP	SM	RP	SM	SM	SM	SM	SM	RP
Channel modification(s) ME,MO,CV,RS,RI,DA,FO	NO									→
Channel feature(s) WV,MO,RO,MB,VB,MI,TR	NO									→
RIGHT BANK TICK if fractional fence										
Material *	EA									→
Bank modification(s) ME,MO,RS,RI,PC,BM,EM	NO									→
Bank feature(s) WV,MO,EC,SC,PB,VP,SB,VS	SC	NO	EC	SB	NO	EC	SB	NO	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, HH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG									→
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	U	S	S	U	S	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	B	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	U	U	U	B	U	B	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	B	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	IG	IG	IG	IG	IG	TA	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥ 33% areal) or tick (present) within 5m of site)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	Pho									
Emerg broad-leaved herbs	Sparg									
Emerg reeds/sedges/rushes	Equis						✓			
Floating-leaved (rooted)	Nup									
Free-floating										
Amphibious						✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO.

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H SUBSTRATUM (%) *(to be assessed across channel within a 4m wide transect)*

	L	R		L	R
Bedrock (BE)			Cobbles (CO)		
Boulders (BO)			Gravel (GR)		
Large woody debris (LW)			Sand (SA)		
Vegetation (VG)			Silt (SI)		
Artificial (AR)			Clay (CL)		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pinched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☑	☑
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K AQUATIC AND MARGINAL VEGETATION

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE - RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK		Bankfull width (m)	6.5	RIGHT BANK	
Bankfull height (m)	1.75	Water width (m)	2.95	Bankfull height (m)	2.0
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 5m of site)*

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☑ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state):

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick box(es) to indicate presence of LARGE STANDS of IFE mod species)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: bank(s) - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE inserts for plant genera and fencing effects

Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6469 6461 (PHOTOGRAPH MAY BE WORTHWHILE)

Mid-site grid reference of network site if different from designated location: 2LE

Grid Reference: River: STOUR

Date 23/5/1996 Time: 09:05 Surveyor name GUMERY Accreditation code PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: THIN SPOT CHECKS

Page 2 of 4

TALLY (use DIF) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 in: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW - substrate/shape codes										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BU/SC	S	U	S	S	S	S	S	U	S	U
LEFT BANK FACE *(structure)* BU/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BU/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BU/SC	U	U	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	SC	IG

G CHANNEL VEGETATION TYPES *(10m wide transect: E.g. 33% grass on left (previous) 50m*

NONE / PLANT GENERA - list first 5		✓			✓					
Bryophytes/lichens | CAREX										
Emerg broad-leaved herbs | PARAGYMNOS										
Emerg reeds/sedges/rushes | NUPHAR	✓		✓	✓		✓	✓	✓	✓	
Floating-leaved (rooted) | [illegible]	✓			✓		✓				
Free-flowing |										
Amphibious |										
Submerged broad leaved |	✓			✓		✓	✓	✓		
Submerg fine/linear-leaved |										
Filamentous algae |										✓

6469

SITE NO.

1996 RIVER HABITAT SURVEY: 500m SWEEP

H GENERAL WATERSIDE PATTERN *(within 50m of channel)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/unedified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☑	☑
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☒	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES

Page 3 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		12.5			
Banktop height (m)	0.5	Water width (m)	12.0	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)		*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE INFLUENCE PLANT SPECIES *(tick appropriate box(es) for LARGE STANDS of each sp*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL REACH CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =
TWO OLD FARM BUILDINGS

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WILDLIFE PLANTED

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6462

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 2.7.1996 Time 14:24 Surveyor name G.C. Accreditation code PFHA

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use DIP) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for bankside attributes estimate across channel within a 5m wide transect)* (...m each side)

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EB	CA	EA	CK	EB	EA	EA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	PC	NO	NO
Bank feature(s)	NO	NO	NO	SB	NO	IR	NO	NO	NO	NO
CHANNEL										
Channel substrate *	SI	SA	SA	SA	GP	SA	SA	SA	SI	SI
Substrate shape	NA	NA	NA	NA	IR	NA	NA	NA	NA	NA
Flow type *	NP	SM	SM	NP	RI	NP	SM	SM	SM	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	IR	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	SI	EA	CA	CA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RI	NO	NB	PC	NO	NO
Bank feature(s)	NO	NO	NO	NO	RO	NO	SB	NO	NO	NO

F RANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, SC, TW, RP, IC, IL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	SC	RI	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)*	U	U	C	C	S	S	C	S	U	C
LEFT BANK FACE *(structure)*	U	C	S	C	S	S	C	S	S	C
RIGHT BANK FACE *(structure)*	U	C	S	S	B	S	S	S	S	C
RIGHT BANK-TOP *(structure within 1m)*	U	U	S	S	B	S	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	TG	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES *(Code dominant (>33% cover) or, if no dominant, all types >10% cover)*

NONE / PLANT GENERA - list first 5			✓	✓	✓	✓	✓	✓	✓	
Bryophytes/lichens	APHW									
Emerg broad-leaved herbs	PHRAMA	✓								✓
Emerg reeds/sedges/rushes	LEMNA									
Floating-leaved (rooted)										
Free-floating										✓
Amphibious			✓							✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6462 — 1996 RIVER HABITAT SURVEY: CHANNEL SKETCH — Page 3 of 4

H CHANNEL SKETCH

I CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Broadleaf/mixed woodland (BL)	☾	☾	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		☾
Orchard (OR)			Tilled land (TL)		
Meanland/heath (MH)			Wetland (eg bog, marsh, fen) (WL) -		
Scrub (SC)	✓		Open water (OW)		
Tall herbs*, rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	☾	☾	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE - RIFFLE - POOL

1996 RIVER HABITAT SURVEY: DOMINANCES AND INFLUENCES — Page 4 of 4

L CHANNEL DOMINANCES *(to be assessed over a 10m wide transect)*

LEFT BANK		Banktop width (m)	20	RIGHT BANK
Banktop height (m)	0.4	Water width (m)	0.5	Banktop height (m) 0.6
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*

If trashline lower than banktop break is dept, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = 3 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirdam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick all that apply)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P SHADED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS *(tick & list all that apply)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mimulus Rhododendron Senecio

R OVERALL ASSESSMENT

Major impacts: land fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S *(tick appropriate box(es))*

Mink? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6963

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 2/7/1996 Time: 12:04 Surveyor name G C Accreditation code. P F 10

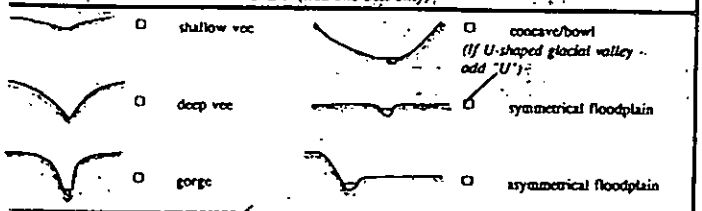
Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ✓ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ? = not easily seen

Spot check 1 is: upstream ☐ downstream ✓

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *we,si,sa,co,cs,ea,pe,cl,cc,sp,vm,ca,as,ar,zz*	EA	CR	CR	CA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ne,no,rs,ri,pc,bm,zm*	RS	RS	RS	RS	RS	RS	LS	RS	RS	RS
Bank feature(s) *wv,no,ec,sc,po,vt,sp,vs*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature										
Channel substrate * *we,si,sa,co,cb,sa,si,cl,pe,as*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *fl, cv, cl, sp, cu, po, cl, ... , unm*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *ff,cn,sw,un,cf,sf,up,sn,mp,no*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *ne,no,cv,rs,ri,da,ro*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *wv,no,ro,ws,vb,so,tn*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *we,si,sa,co,cb,ea,pe,cl,cc,sp,vm,ca,as,ar,zz*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ne,no,rs,ri,pc,bm,zm*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *wv,no,ec,sc,po,vt,sp,vs*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, WH, SC, TH, RP, IG, IL, ur, ORC, TU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TH	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	B	B	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(in-channel, 2 m wide transect, or each 'present' zone)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	Pseudo									
Emerg broad-leaved herbs	Mega									
Emerg reeds/sedges/rushes	sparganium	✓	✓	✓	✓	✓	✓	✓	–	✓
Floating-leaved (rooted)	Carex									
Free-flowing										
Amphibious										
Submerged broad-leaved										
Submerg fine/filamen-leaved										
Filamentous algae		✓	✓	✓	✓	✓	✓	–	✓	✓

SITE NO. 6923 1996 RIVER HABITAT SURVEY: SIDE SPOT CHECKS Page 3 of 4

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

	L	R		L	R
Semi-natural woodland (SL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"tall herbs" semi vegetation (TH)	✓		Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Cattle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

C EXTENT OF TREE CANOPY AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	✓
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

D EXTENT OF INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	C	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	C	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bed(s)	✓	C	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO Perceptable flow

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	10	Bankop width (m)	6 5	Bankop height (m)	1·0
Embanked height (m)		Water width (m)	6 0	Embanked height (m)	
		Water depth (m)	0 6 ·		

If floodplain lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

B CONTROL FEATURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirs/dams? No ✓ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E ENCLOSED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

F NOTABLE RIPARIAN PLANT SPECIES *(in addition to those listed at bank of other)*

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

G OVERALL ASSESSMENT OF CHANNEL

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

H ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6964

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ALUN

Date 16/5/1996 Time: 13.25 Surveyor name G. COLLETT Accreditation code AFLO

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of

TALLY (use Jiff) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within X (m wide transect) in one easy cast)*

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *MU,AE,BO,CO,GS,EA,PE,CL,CC,SP,WT,GA,BA,RR,SW*	EA	EA	EA	EA	EA	TA	EA	EA	BO	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	—								→
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SC	SC	SC	NO	NO
CHANNEL NEW *(to be assessed within X (m wide transect) in one easy cast)*										
Channel substrate *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	—								→
Substrate shape *FL,CV,CL,SP,CU,PO,BL,Others - note*	IR	—								→
Flow type *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	RP	RP	SM	SM	SM	SM	SM	RP	SM	RP
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO	—								→
Channel feature(s) *MV,MO,RO,MB,VB,AG,TR*	NO	—								→
RIGHT BANK TICK if functional fence										
Material *MU,BE,BO,CO,GS,EA,PE,CL,CC,SP,WT,GA,BA,RR,SW*	EA	—								→
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	—								→
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	SC	NO	EC	SC	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	IG	IG	SC	TH	TH	IG	SC	SC
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	U	U	C	S	U	S			→
LEFT BANK FACE *(structure)* BA/US/C	U	U	S	S	B	S	B	S		→
RIGHT BANK FACE *(structure)* BA/US/C	U	U	S	S	B	B	U			→
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	S	S	S	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SC	SC	SC	SC	SC	TH	TH	SC

G CHANNEL VEGETATION TYPES *(% within transect: E = <5%, R = rare (<2 plants), P = present)*

NONE / PLANT GENERA - list first 5					✓					
Bryophytes/lichens	Algae			✓	✓			E		
Emerg broad-leaved herbs	Apium		E	✓			✓	✓		✓
Emerg reeds/sedges/rushes	Moss					✓	✓			✓
Floating-leaved (rooted)	Sparganium									
Free-floating	Alisma									
Amphibious										
Submerged broad-leaved		✓						✓		✓
Submerg fine/linear-leaved				✓						
Filamentous algae		E	E	E	E		E	E	E	E

6964

SITE NO.

1996 RIVER HABITAT SURVEY SURVEY VERIFICATION

CONTEXT

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Tall herbs' and vegetation (TH)	✓	✓	Suburban/urban development (SU)		✓

CHANNEL

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

CONTINUITY OF FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	☐	✓	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE - RUN -

1996 RIVER HABITAT SURVEY COMMENTS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	2.7	RIGHT BANK	
Banktop height (m)	0.7	Water width (m)	2.0	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

A ARTIFICIAL FEATURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ✓ Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State:

O FEATURES OF PHYSICAL INTEREST *(tick appropriate box(es))*

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE NUISANCE AND SOURCES *(tick appropriate box(es))*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHANNEL CONDITION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = ADJACENT NATURAL LAND

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE woods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6965

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: SOLVA

Date 15/5/1996 Time: 11:00 Surveyor name G. CAUCETT Accreditation code. AF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ coocave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	9	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use BIII) for - Riffles LHT III Pools I Unveg. side bars / Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* — one entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK — TICK if fractional fence										
Material *HY,BE,BO,CO,CS,EA,PE,CL,CC,SP,VP,GA,BR,RR,BW*	EA	EA	EA	CA	CO	EA	EA	SP	BO	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	-								→
Bank feature(s) *HY,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	EC	EC	EC	SB	NO	NO	NO
CHANNEL — TICK if fractional fence										
Channel substrate *HY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	CO	CO	CO	CO	CO	GP	CO	CO	CO	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	OV	IR								→
Flow type *FF,CH,BW,UW,CP,RF,UP,SW,MP,NO*	UW	RP			→		UW	RP	RP	RP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	—								→
Channel feature(s) *HY,NO,RO,NB,VB,NO,TR*	NO	—								→
RIGHT BANK — TICK if fractional fence										
Material *HY,BE,BO,CO,CS,EA,PE,CL,CC,SP,VP,GA,BR,RR,BW*	CO	CO	EA	—				→	BO	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO									→
Bank feature(s) *HY,NO,EC,SC,PB,VP,SB,VS*	SC	NO	NO	EC	NO	PB	NO	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	IG	IG	TH	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	S	C	U	S	S	C	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	S	S	S	B	U	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	S	B	B	U	B	S	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	B	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SC	SC	CP	SU	IG	IG	G	SU	SU

G CHANNEL VEGETATION TYPES *(10m wide transect - % (0-33% area) or tick (present) 50m each side of site)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	JUNCUS		E	✓			✓			✓
Emerg broad-leaved herbs	RANUNCULS								✓	✓
Emerg reeds/sedges/rushes	MOSS			✓		✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓			✓					
Submerged broad-leaved		✓								
Submerg fine/linear-leaved		E	E	✓	E		E	✓	✓	✓	E
Filamentous algae										

6965

SITE NO.

1996 RIVER HABITAT SURVEY: GEOMORPHOLOGY AND SEDIMENTS

J BANKSIDE FEATURES *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' root vegetation (TH)	✓		Suburban/urban development *(SU)*		E

K CHANNEL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched	✓	
			Embanked		
			Set-back embankments		

L EXTENT OF TREE LAND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

M IN-CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: R, ...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	5.5		
Banktop height (m)	0.6	Water width (m)	5.0	Banktop height (m)	0.73
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*	

If trashlines lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

J OTHER FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

L FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

M CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

N NOTABLE RUNNING PLANT SPECIES *(tick or % cover for LARGE STANDS of others)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O OVERALL COMMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = PASTURE GRASS

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations:

P ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IHB winds for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6466

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WESTERN CLEDDAU

Date 16/5/1996 Time: 15.40 Surveyor name G COLLETT Accreditation code.. PFTD

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	3	Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles 11 Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fencing present	→	→	→	→	→	→	→	→	→	→
Material *(BE,BO,CO,CS,EA,PE,CL,CC,ZF,WF,CA,BA,RR,ETH)*	RR	CA								
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	R	NO	NO	NO	NO	NO	NO	NO	PC	NO
Bank feature(s) *(WF,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	CC	NO	SC	SC	NO	NO
CHANNEL *(at NEW spot check point)*										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	GP	GP	GP	GP	CO	SA	SA	GP	GP
Substrate shape *(FL,OV,EL,SP,CU,FO,IR, Others - see)*	OV	IR	IR	IR	OV	OV	NO	NO	OV	IR
Flow type *(FF,CH,BW,UW,CF,RF,UP,SM,WF,NO)*	RP	RP								
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO								
Channel feature(s) *(WF,NO,RO,MB,VB,MI,TR)*	NO	NO								
RIGHT BANK TICK if fencing present										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,ZF,WF,CA,BA,RR,ETH)*	RR	EA								
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	R	NO								
Bank feature(s) *(WF,NO,EC,SC,PB,VP,SB,VS)*	SB	VS	SC	EC	NO	SC	SC	EC	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	HL	B	TH	RP	SC	BL	RP		
LEFT BANK-TOP *(structure within 1m)* BU/SC	U	S	S	U	U	S	U	S	U	U
LEFT BANK FACE *(structure)* BU/SC	B	S	S	U	B	S	B	B	U	U
RIGHT BANK FACE *(structure)* BU/SC	B	U	B	B	U	S	B	B	U	U
RIGHT BANK-TOP *(structure within 1m)* BU/SC	S	U								
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SC	RP			

G CHANNEL VEGETATION TYPES *(Use DAFOR scale)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	Moss				✓	✓	✓	E	✓	✓
Emerg broad-leaved herbs	Ranunculus	✓		✓	✓	✓				✓
Emerg reeds/sedges/rushes	Sparganium		✓			✓			✓	✓
Floating-leaved (rooted)										
Free-floating	Potamogeton									
Amphibious										
Submerged broad-leaved									✓	
Submerg fine/linear-leaved		E	✓	✓	✓		✓	✓	✓	E
Filamentous algae										

6766

SITE NO.

1996 RIVER HABITAT SURVEY: SCORING SHEET Page 3 of 4

H LAND USE (within 50m of bankside)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*	E	E
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* and vegetation *(TH)*	✓		Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recessioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J RIPARIAN AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL AND BANKSIDE FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ALTERATIONS Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.5	Banktop width (m)	7.5	Banktop height (m) 1.3
Embanked height (m)		Water width (m)	7.5	*Embanked height (m)*
		Water depth (m)	0.3	

If trapezoidal lower than banktop break in slope, indicate: height (m) = 0.7 width(m) = 0.2

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es) and state)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es) and state)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP/SITE INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 5975

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 8482 67 River: USK

Date 15/5/1996 Time: 16:20 Surveyor name MS . . . Accreditation code. PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick 1 or 2 boxes)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SURVEY DETAILS

Riffles 11 Unvegetated point bars 2

Pools 0 Vegetated point bars 0

'D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVERWATCH SURVEY FIELD SHEET

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 in: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
DOMINANT SUBSTRATE										
Material	CA	BO	CO	BO	BO	BO	CO	BO	BO	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	RO	NO	NO	NO	NO	NO
CHANNEL NOW										
Channel substrate	BO	BO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	OV	OV	OV	OV	IR	IR	IR	IR	IR	IR
Flow type	SM	CH	RP	SM	UW	RP	RP	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK ☑ TICK if (residential flood							✓	✓		
Material	CO	CO	BO	EA	RO	NV	BO	BO	EA	CO
Bank modification(s)	NO	NO	NO	NO	NO	NK	NO	NO	NO	NO
Bank feature(s)	NO	NO	SB	NO	SB	NK	SB	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, HR, RC, IN, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	IG	IL	IG	BL	BL	BL	SU	SU
LEFT BANK-TOP *(structure within 1m)*	S	S	C	C	S	S	C	C	C	C
LEFT BANK FACE *(structure)*	S	S	S	S	S	S	S	C	S	S
RIGHT BANK FACE *(structure)*	S	S	S	S	S	U	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	BL	BL	IG	IG	IG	IG	IG	IG

C. INSTREAM VEGETATION

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens	Fontinalis		✓	✓	✓	✓	✓		✓	✓
Emerg broad-leaved herbs										
Emerg rushes/sedges/reeds										
Floating leaved (rooted)										
Free-flowing										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae			✓	✓		✓	✓	✓	✓	✓

SITE NO. 6975

1996 RIVERWATCH SURVEY FIELD SHEET

D. LAND USE/ADJACENT FEATURES (tick up to 2 boxes per bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* / rank vegetation (TH)			Suburban/urban development (SU)	✓	

Natural/unmodified	L	R	Artificial/modified	L	R
vertical/undercut			Resectioned		
vertical + toe			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite	✓	✓	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

E. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

State predominant flow sequence *(select up to three features)*: Run - Rapid - Glide

1996 RIVERWATCH SURVEY DIMENSIONS AND QUANTITIES

F. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	8.6	Banktop height (m)	0.6
Embanked height (m)		Water width (m)	4.5	*Embanked height (m)*	
		Water depth (m)	0.2		

If trenchlike lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) Unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

G. ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

H. PRESENCE OF SIGNIFICANT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State . . . . . .

I. QUANTITY OF AQUATIC VEGETATION

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

J. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

K. PRESENCE OF INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron Invasive

L. OTHER FACTORS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: (otter) - mink - water vole - kingfisher - (dipper) grey wagtail - mad mustela - heron - dragonflies/damselflies
Other recorded by LO and owner Artificial otter holt on LB
Other significant observations: Fine lined stream, banks on RHS pasture

M. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (RHS) — SITE NO. 6976

A BACKGROUND/CATCHMENT INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number 6976

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 908 288 River: USK

Date: 15/5/1996 Time: 15.00 Surveyor name: MS Accreditation code: PFGS

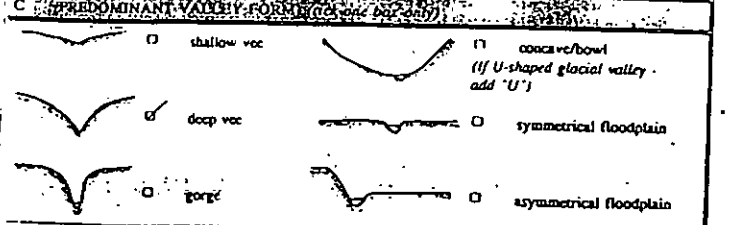
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IPE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IPE - VALLEY FORM NOTES:

D CHANNEL SURVEY DETAILS AND POINT BARS

Riffles 3 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) — SITE NO. 6976

TALLY (use DAY for - Riffle 1 : Pools Unveg. side bars Veg point bars

DIVERSITY ATTRIBUTES (to be surveyed across the whole channel)

Spot check 1 m upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional feature										
Material *	BE	BE	BE	BE	DE	BE	EA	EA	EA	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - TICK if functional feature										
Channel substrate *	BO	BE	BE	DE	BO	BE	BO	CO	BE	BO
Substrate shape	CU	IR	IR	AR	IR	IR	IR	AR	FL	IR
Flow type *	RU	RU	RP	RP	SM	SM	SM	SM	SM	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional feature										
Material *	BE	BE	BE	BE	BE	BE	BE	CA	BO	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E BANK TOP LAND USE AND VEGETATION STRUCTURE (to be surveyed over a 10m wide transect)

Land use: choose one from AL, CF, OR, HR, SC, TU, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	BL	BL	BL	BL	BL	BL	IG	IG	IG	BL
LEFT BANK TOP (structure within 1m) BANKSIDE	C	S	S	C	S	S	S	S	S	S
LEFT BANK FACE (structure) BANKSIDE	S	S	S	S	S	W	S	S	S	S
RIGHT BANK FACE (structure) BANKSIDE	V	V	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANKSIDE	V	S	S	S	S	S	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

F VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	E	✓	✓		✓	✓			
Emerg broad-leaved herbs								✓	E	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	–				✓	–	–

RIVER HABITAT SURVEY (RHS) — SITE NO. 6976

G LAND USE WITHIN 50m OF BANK TOP (on both sides)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* - semi vegetation (TH)			Suburban/urban development (SU)		

H BANK AND CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Sheep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Rapid - Run

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RIVER HABITAT SURVEY (RHS) — SITE NO. 6976

K CHANNEL DIMENSIONS (to be surveyed over a 50m wide transect)

LEFT BANK		Banktop width (m)	10.0	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	9.0	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.5	*Embanked height (m)*	

If trapezium lower than banktop break in shape, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ANTHROPOGENIC FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M MANAGEMENT OF CHANNEL AND BANKSIDE

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P SOUTH AFRICAN GIANT ALIENS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? *Nettle Rhododendron bracken*

Q OTHER FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - dystrophy - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Red Kite.
Rare - calling through woods in area - see valley.

R ALDER

Alder? None ☐ Present ☑ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: Sub-site woods trap Llangenny Caddy Creek Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6977

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 056 275 River: Usk

Date 15/5/1996 Time: 11:15 Surveyor name MG Accreditation code PF 65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick one box only)*

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: Transect Page 2 of 4

TALLY (use DfE) for: Riffles Pools Unveg. side bars Veg point bars

A. PHYSICAL ATTRIBUTES *(to be assessed across Channel within a 1m wide transect)*

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(tick one box)*										
Material *(AV,BE,BO,CO,CB,EA,PE,CL,OC,SI,WP,GA,BR,RR,RW)*	EA	EO	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,ES)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(AV,MO,EC,SC,PB,VP,SB,VS)*	NO	NO	SC	EC	SB	NO	NO	SC	NO	VS
CHANNEL										
Channel substrate * *(AV,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	GP	GP	CO	GP	SP	SI	SI	CO
Substrate shape *(FL,OV,EL,SP,CU,FO,IR, Others - note)*	OV	OV	OV	OV	OV	OV	OV	NA	NA	OV
Flow type * *(FF,CH,RW,UW,CF,RP,UP,SM,NP,NO)*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,MO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(AV,MO,BO,MB,VB,MI,IR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *(tick if functional force...)*										
Material *(AV,BE,BO,CO,CB,EA,PE,CL,OC,SI,WP,GA,BR,RR,RW)*	EA	EA	EA	EA	CO	CO	EA	NV	EA	LP
Bank modification(s) *(NE,MO,RS,RI,PC,BM,ES)*	NO	NO	NO	NO	NO	NO	NO	NK	NO	NO
Bank feature(s) *(AV,MO,EC,SC,PB,VP,SB,VS)*	SB	SB	NO	SB	NO	NO	NO	NK	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* BA/US/C	S	S	S	B	S	S	S	B	S	S
LEFT BANK FACE *(structure)* BA/US/C	S	U	S	U	S	S	S	U	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	S	S	S	U	B
RIGHT BANK TOP *(structure within 1m)* BA/US/C	U	S	S	S	C	S	S	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	BL	BL	BL	BL	IG	IG

C. CHANNEL VEGETATION TYPES *(within 5m of banktop)*

NONE / PLANT GENERA - list first 5			✓	✓		✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	A	✓	✓			✓				✓

SITE NO. 6977 | 1996 RIVER HABITAT SURVEY: 2500m SURVEY | Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP *(tick one box per bank)*

	L	R		L	R
Semi-natural woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herb/ rank vegetation *(TH)*			Suburban/urban development *(SU)*		

BANK VEGETATION STRUCTURES *(tick one box per bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Trees/underscrub	✓	✓	Revetmented		
Shrubs + tree	✓	✓	Reinforced - whole bank		
Cliff (>45°)	E	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	✓	✓	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Pool(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Ma te predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY: Dimensions and Influences Page 4 of 4

A. CHANNEL DIMENSIONS *(to be measured at a representative riffle/glide/run section, preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.2	Banktop width (m)	24	Banktop height (m)	1.2
Embanked height (m)		Water width (m)	20	*Embanked height (m)*	
		Water depth (m)	0.4		

If trackbase lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

B. CONTROLLING FEATURES *(observed within 50m upstream and downstream)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. WORKS OR RECENT MANAGEMENT *(within 50m upstream and downstream)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D. FEATURES OF CONSERVATION INTEREST *(within 50m upstream and downstream)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E. CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. INVASIVE PLANTS *(within 50m upstream and downstream)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G. OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail (mad martin) (heron) - dragonflies/damselflies

Other significant observations: Evidence of rabbits discharge life of site.
Slow flowing [illegible] over clay and gravel valley.

H. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6978

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO117229 River: CAERFANELL

Date 7/6/1996 Time: 10.45 am. Surveyor name Lanthaw Accreditation code PF36

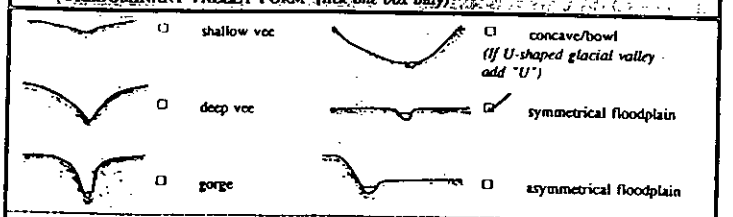
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(natural & modified)*

Riffles 14 Unvegetated point bars 0

Pools 5 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of

TALLY (use 'dff') for Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check ' = upstream ' ' downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sectional) fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	CA	CA
Bank modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NC	WS	NO	NO	NO	NO	SB
CHANNEL VIEW										
Channel substrate	CO	CO	GP	CO	CO	GP	CO	CO	CO	CO
Substrate shape	IR	IR	IR	IR	IR	OV	IR	IR	IR	IR
Flow type	SM	UW	UW	UW	RP	SM	UW	SM	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	MI	MB	NO	NO	RO	NO	MB	RO
RIGHT BANK TICK if (sectional) fence										
Material	BR	NO	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NK	NO	NO	NO	BM	NO	NO	NO	NO
Bank feature(s)	NO	WS	WS	EC	EC	NO	NO	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	BL	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	C	S	C	S	C	C	C	C	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	C	C	C	C	C	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	C	C	C	B	B	C	C	C	C	S
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	C	C	C	S	S	C	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	IG	IG	IG	BL	IG	SU	SU

G DOMINANT VEGETATION *(within 1m of bankface)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓			✓			✓	✓		✓
Emerg broad-leaved herbs		✓	✓	✓	✓			✓	✓	
Emerg reeds/sedges/rushes						✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓		✓			✓

SITE NO. 6979 1996 RIVER HABITAT SURVEY SURVEY RUN Page 3 of 4

H LAND USE WITHIN 50m OF TOP OF BANK (%)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)		✓

I BANK TYPES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		E	Resectioned	E	
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	E	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K EXTENT OF INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☐	☑

Indicate predominant flow sequence (*select up to three features*): Pool - Riffle - Glide

1996 RIVER HABITAT SURVEY DIMENSIONS AND DERIVATIONS Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at a single cross-section)*

LEFT BANK		Bankfull width (m)	14.5	RIGHT BANK	
Bankfull height (m)	1.6	Water width (m)	11.0	Bankfull height (m)	1.6
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 100m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = FARM CROSSING
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(within 100m of site)*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State RESECTIONING L. BANK

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P CHOKED CHANNEL *(within 100m of site)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE INFLUENCE OF INVASIVE PLANTS *(within 100m of site)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nestic Rhododendron bracken

R OVERALL CHANNEL ATTRIBUTES *(within 100m of site)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Top bank facies normal ... bank material log type ... channel (average length = 2.0) ... bankfull log - and four.

S ALDERS *(within 100m of site)*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP AND INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 6979

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 6/6/1996 Time: 3.30 pm. Surveyor name Ian Harris Accreditation code. PF36

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ✓ right bank ○ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (Cross Section)

○ shallow vee ✓ concave/bowl *(If U-shaped glacial valley - add "U")*

○ deep vee ○ symmetrical floodplain

○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE : VALLEY FORM NOTES:

SURVEY DETAILS : POOLS AND RIFFLES

Riffles 20 Unvegetated point bars 3

Pools 0 Vegetated point bars 2

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVERMAT SURVEY : SUBSTRATUM

Tally (one dot) for - Riffles Pools Unveg. Bars 1 Veg point bars

Spot check 1 @ upstream ○ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	VF	SC
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	IR	OV	OV	IR	IR	OV	OV	IR	CV	IR
Flow type	UW	SM	RP	SM	UW	RP	RP	UW	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	NO	NO	NO	NO	RO	NO	RO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	BR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	RI	NO
Bank feature(s)	NO	EC	NO	NO	NO	NO	NO	NO	EC	NO
FLOODPLAIN AND LAND USE/VEGETATION/STRUCTURES										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	WG	WG	IG	BL	BL	IG	IG
LEFT BANK-TOP (structure within 1m)	U	S	U	S	U	S	C	C	S	C
LEFT BANK FACE (structure)	U	S	B	S	B	S	C	C	S	C
RIGHT BANK FACE (structure)	S	S	C	C	S	U	C	C	B	C
RIGHT BANK-TOP (structure within 1m)	U	S	C	S	C	C	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	BL	IG	IG	IG	IG	IG	IG	IG
VEGETATION										
NONE / PLANT GENERA - list first 5		✓								
Bryophytes/lichens	✓		✓		✓	✓	✓		✓	
Emerg broad-leaved herbs				✓	✓	✗			✓	
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious				✓		✓		✓	✓	
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae									✓	

RIVERMAT SURVEY : SUBSTRATUM

	L	R		L	R
Woodland/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Scrub plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Herbs' and vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	E	Resectioned		
Gravel + toe			Reinforced - whole bank	✓	✓
Shallow (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment(s)		

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	○	✓
Exposed bankside roots	○	○	✓
Underwater tree roots	○	○	✓
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

	None	Present	E
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	○	✓	○
Riffle(s)	○	○	✓
Run(s)	○	✓	○
Pool(s)	✓	○	○
Glide(s)	○	✓	○
Pool(s)	✓	○	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	✓	○
Exposed bedrock	✓	○	○
Exposed boulders	○	✓	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	○	✓	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence *(select up to three features)*: RIFFLE · RUN · GLIDE

RIVERMAT SURVEY : DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	11.0	Banktop height (m) 1.0
Embanked height (m)		Water width (m)	7.5	Embanked height (m)
		Water depth (m)	0.2	

If trashline lower than banktop breast in steps, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ *(tick one box)*

ARTIFICIAL FEATURES

None ○ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

EVIDENCE OF RECENT MANAGEMENT ACTIVITIES

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

OBSTRUCTIONS & SPECIAL FEATURES

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ✓ Fen ○ Flush ○

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

NOTEWORTHY INVASIVE PLANTS

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bracken

OTHER OBSERVATIONS

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - soil - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: eel-snide - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Very nice section of stream, no silt build.

NOTEWORTHY INVERTEBRATES

Alders' None ○ Present ○ Extensive ✓ Diseased Alders' None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6983

Mid-site grid reference of network site if different from designated location:

Grid Reference: 647209 River:

Date 9/5/1996 Time: 4.10 pm. Surveyor name L. Hains Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 11 Unvegetated point bars 2

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY-TEN SPOT CHECKS — Page 2 of 4

TALLY (use diff) for - Riffles 4/10 Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)* — one entry only

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *(nv,bl,bo,co,cd,sa,pe,cl,cc,sp,wp,ca,an,ss,sw)*	EA	EA	BR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(nk,no,rs,ri,pc,bm,em)*	PC	RS	RI	NO	PC	PC	PC	RS	RS	RS
Bank feature(s) *(nv,no,ec,sc,pb,vp,sb,vs)*	NO	No	PB	No	NO	NO	NO	NO	NO	NO
CHANNEL (NEW) *(at or near the bankfull level)*										
Channel substrate *(nv,bl,bo,co,gp,sa,si,cl,pe,ar)*	GP	SI	SI	GP	GP	GP	GP	NV	GP	CP
Substrate shape *(fl, ov, el, sp, cu, po, bl, others - use)*										
Flow type *(ff,ch,rpw,un,cf,rp,up,sm,mp,no)*	RP	SM	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) *(nk,no,cv,rs,ri,da,fo)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(nv,no,bo,mb,vb,mi,tr)*	NO	No	No	No	No	No	NO	NO	No	No
RIGHT BANK TICK if fractional fence										
Material *(nv,bl,bo,co,cd,sa,pe,cl,cc,sp,wp,ca,an,ss,sw)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(nk,no,rs,ri,pc,bm,em)*	PC	PC	PC	NO	PC	PC	PC	RS	RS	RS
Bank feature(s) *(nv,no,ec,sc,pb,vp,sb,vs)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from bl, cp, or, wh, sc, th, rp, ig, fl, wl, ow, su

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	SC	SC	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BU/SC	U	C	C	S	U	U	B	S	U	S
LEFT BANK FACE *(structure)* BU/SC	S	S	S	S	S	U	U	C	S	C
RIGHT BANK FACE *(structure)* BU/SC	S	S	B	S	S	U	S	S	C	C
RIGHT BANK-TOP *(structure within 1m)* BU/SC	U	U	B	S	U	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	CP	IG	IG

H CHANNEL VEGETATION CATEGORIES *(within channel, at or near bankfull level) tick (present) Scale*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens							✓			
Emerg broad-leaved herbs	E	✓	✓	✓	✓	✓			✓	✓
Emerg reeds/sedges/rushes						✓				
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓	✓	✓	✓				
Submerged broad-leaved	✓			✓	✓				✓	✓
Submerg fine/linear-leaved										
Filamentous algae	✓									

SITE NO. 6983

J LAND USE WITHIN 50m OF SURVEY (SWEEP UP)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*		✓	Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs/ rank vegetation *(TH)*			Suburban/urban development *(SU)*		

K BANK AND SIDE CHARACTERISTICS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recetioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	E
			Embanked		
			Set-back embankments		

L TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

M WATER MARGIN FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): RIFFLE - RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 3 of 4

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	0.75	Banktop width (m)	
Banktop height (m)	0.4	Water width (m)	0.75	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

N ARTIFICIAL STRUCTURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

O EVIDENCE OF RECENT ENGINEERING WORKS

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State

P FEATURES OF ENCLOSURE

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐ left gravel bank into a marshy wooded area (carr)
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Q CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

R ANCILLARY HABITAT FEATURES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

S OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: pest-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Extensive poaching by sheep & my wet each side of stream about half way along reach - total of poached 4% reach

T ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6984

Mid-site grid reference of network site if different from designated location:

Grid Reference: 770249 River: Leadon

Date 9.5./1996 Time: 12^00 Surveyor name Ian Heins Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM: *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS? *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 1

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use Diff) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across Channel within a 1m wide transect)* 1 = one entry only

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material * (BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SB,SS,SW)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	VP	NO	NO	NO	NO	NO	NO	SC
CHANNEL										
Channel substrate * (NV,BE,BO,CO,GP,SA,SI,CL,PE,AR)	GP	NV	NV	NV	NV	CL	CL	CL	CL	CL
Substrate shape (FL,OV,EL,SP,CU,PO,BL, Others - note)										
Flow type * (FF,CH,BW,UW,CF,RP,UP,SM,NP,NO)	RP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (NE,NO,CV,RS,RI,DA,FO)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (NV,NO,RO,MB,VB,MI,TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material * (BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SB,SS,SW)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS/BM	RS	RS	RS/BM	RS	RS/BM	RS
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from (BL, CF, OR, MH, SC, IN, RP, IG, IL, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(One tick per 2m x 1m area) or tick (present) within transect*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										✓
Submerg fine/linear-leaved		✓		✓				✓		✓
Filamentous algae	✓						✓	✓	✓	✓

SITE NO. 6984 1996 RIVER HABITAT SURVEY 500m SURVEY Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Tick all that apply) (Tick one box per column)

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Rough herbs' rank vegetation (TH)			Suburban/urban development (SU)		

I BANK MATERIAL (Tick all that apply) (Tick one box per column)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		✓
			Poached		
			Embanked		
			Set-back embankments		

J DOMINANT ADJACENT AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL AND BANKTOP FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bay(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop width (m)	10.0			
Banktop height (m)	2.0	Water width (m)	5.0	Banktop height (m) 1.5
Embanked height (m)		Water depth (m)	1.0	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = 1.25 width(m) = 8.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Pea	☐	Fleak	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NON-NATIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL ENVIRONMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Totally recreational river with very few interesting features at all. Some woodland & could be good for otters - No chance!

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE models for plant species and channel) Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6985

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO 863295 River: SEVERN

Date 30/4/1996 Time: 15:00 Surveyor name P Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use BB) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* - in one party only -

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	RS/PC
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *(to be assessed across channel within a 1m wide transect)*										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type * *FT,CH,BW,UW,CF,RF,UP,SM,NP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,NI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NK	NO	NK	NO	NK	NK	NK	NK	NK	NK
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NV	NO	NK	NO	NV	NV	NV	NV	NV	NV

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IE, CF, OR, MN, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IS	IS	IS	IG	IS	IS	IS	IS	IS
LEFT BANK-TOP *(structure within 1m)* BA/SI/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/SI/C	C	C	C	C	C	S	C	S	S	S
RIGHT BANK FACE *(structure)* BA/SI/C	S	S	S	S	NV	NV	NV	NV	NV	NV
RIGHT BANK-TOP *(structure within 1m)* BA/SI/C	S	U	B	U	NV	NV	NV	NV	NV	NV
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	IG	IS	IS	NV	NV	NV

G CHANNEL VEGETATION TYPES *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5	✓		✓	✓		✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs		✓			✓					
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6985 1996 RIVER HABITAT SURVEY: 30 SPOT CHECKS Page 3 of 4

H ENCLOSING KILTER OF CATCHMENT

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		E

I CHANNEL MODIFICATIONS AND CONTROLS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E		Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments	E	

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K PRESENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INDICATORS Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at one cross-section within the 1m wide transect)*

LEFT BANK				RIGHT BANK
Banktop height (m)	2-40	Banktop width (m)	NK	Banktop height (m) NK
Embanked height (m)		Water width (m)	NK	*Embanked height (m)*
		Water depth (m)	NK	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT ENGINEERING WORKS

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Enhancement ☐ Other ? State Steps cut in bank.

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridded/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleath ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q BANKSIDE VEGETATION *(to be assessed over a 10m wide transect)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation fisheries management silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Huge wide section & the beam. Bootty: old car, bike, bricks. Many bikers, stands, regularly spaced, with recently cut steps in the bank, mainly on one party. Much NV/NK due to cut with old erode damage steps.

S ALDERS *(to be assessed over a 10m wide transect)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE modifications for plant species and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6986

Mid-site grid reference of network site if different from designated location:

Grid Reference: 975206 River: Clett

Date 8/5/1996 Time: 1.30 pm Surveyor name Ian Hearn Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

✓ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 15 Unvegetated point bars 4

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use 5th) for - Riffles IIII IIII IIII Pools Unveg. side bars II Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* — one entry only

Spot check 1 = upstream ✓ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional feature										
Material	EA	RR	EA	EA	CC	BR	EA	BN	EA	BR
Bank modification(s)	NO	RI	RS	NO	RI	RI	RS	NO	RS	RI
Bank feature(s)	SC	NO	NO	EC	NO	NO	NO	NO	SC	NO
CHANNEL										
Channel substrate	SI	GP	GP	GP	CO	GP	SI	GP	GP	GP
Substrate shape										
Flow type	SM	UW	UW	RP	RP	RP	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	TR	NO
RIGHT BANK TICK if fractional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	NO	RS	RS	RS	NO	RS	RS
Bank feature(s)	SC	NO	NO	NO	NO	NO	SC	SC	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SU	SU	SC	SU	SU	BL	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	B	B	S	B	S	C
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	B	B	B	S	B	S	B
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	S	U	S	S	B	S	S	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	C	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	SC	IG	BL	BL	IG	IG

G CHANNEL VEGETATION TYPES *(for 10m wide transect - A (left bank), B (channel), C (right bank))*

	A	B	C	A	B	C	A	B	C	A	B	C
NONE / PLANT GENERA - list first 5	✓			✓								
Bryophytes/lichens		✓	✓								✓	
Emerg broad-leaved herbs												
Emerg reeds/sedges/rushes		✓			✓	✓						
Floating-leaved (rooted)												
Free-floating												
Amphibious												
Submerged broad-leaved												
Submerg fine/linear-leaved												
Filamentous algae		✓	✓		✓	✓	✓	✓	✓	✓		

SITE NO. 6986 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (L & R)

	L	R		L	R
oadleaf/mixed woodland *(BL)*	✓	E	Rough pasture *(RP)*		
niferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
ub *(SC)*	✓	✓	Open water *(OW)*		
l herbs" rank vegetation (TH)			Suburban/urban development *(SU)*	E	

I BANK PROFILE

	L	R		L	R
tural/unmodified			Artificial/modified		
ical/undercut	✓	✓	Resectioned	E	E
ical + toe			Reinforced - whole bank	E	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only	✓	
posite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascades(s)	☐	✓	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	☐	✓
Run(s)	☐	☐	✓
Boil(s)	✓	☐	☐
Glide(s)	☐	☐	✓
Pool(s)	☐	✓	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	☐	✓	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle - Run - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	3.25	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	2.5	Banktop height (m)	0.3
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = 1 Roadbridges = 3 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT WATERCOURSE MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box (es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE PLANTS *(list species)*

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mimla Rhododendron bracken

R OTHER FACTORS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Left bank extensively 'back gardens' - a variety of encroachment along L-bank on c. whole. This various small cabins/huts/sheds & chalets making denies a channel. Bits of rubbish, a channel has (bricks, wheels etc)

S ALDERS *(tick appropriate box (es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6987

Mid-site grid reference of network site if different from designated location:

Grid Reference: 095251 River: WINDRUSH

Date 9/5/1996 Time: 9[15] Surveyor name Ian Harris Accreditation code 7F36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use IIII) for - Riffles 1 Pools 1 Unveg. side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* (in pool only)

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *HY,BE,BO,CO,CE,SA,PC,CL,CC,SP,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *HY,MO,EC,SC,PB,WP,SB,VE*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *HY,BE,BO,CO,GF,SA,SI,CL,PE,AR*	GP	SI	SA	SA	SI	CL	SA	SA	SI	SA
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*										
Flow type * *FF,ON,BW,UW,CF,RF,UP,SM,MF,NO*	RP	RP	SM	SM	RP	RP	SM	SM	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *HY,MO,BO,MB,VB,MI,TR*	NO	NO	NO	TR	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence							✓	✓	✓	
Material *SW,BE,BO,CO,GE,SA,PE,CL,CC,SP,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *HY,MO,EC,SC,PB,WP,SB,VE*	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO

I BANKTOP/LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	SC	SC	SC	SC	SC
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	S	C	S	C	S	S	S	C
LEFT BANK FACE *(structure)* *B/U/S/C*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	S	S	S	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	SC	SC	SC	IG	SC

J CHANNEL VEGETATION TYPES *(Use 1 for rare, 2 for frequent, 3 for abundant)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓							✓
Emerg broad-leaved herbs		✓		✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓		✓	✓		✓	✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved			✓			✓				✓
Submerg fine/linear-leaved										✓
Filamentous algae	✓			✓		✓				✓

SITE NO. 6987 1996 RIVER HABITAT SURVEY: SITE SKETCH Page 3 of 4

K LAND USE within 50m of BANKTOP (tick one box per bank)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	✓
Scrub *(SC)*	E	E	Open water *(OW)*		
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*		

L BANK SIDE FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

M BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

N CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN - GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLOWS Page 4 of 4

O CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	1.5		
Banktop height (m)	0.2	Water width (m)	1.5	Banktop height (m)	0.2
Embanked height (m)		Water depth (m)	0.4	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

P ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

Q EVIDENCE OF CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

R FEATURES OF ARTIFICIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐ wet grassland
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleath ☐

S CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

T PRESENCE OF GIANT HOGWEED AND OTHER NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

U ARTIFICIAL INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies Small fish

Other significant observations: Large area where stream evidently floods previously ~ 0.5 m out of section. At present slightly shallower than main channel, varying ~ 5 to 20m from stream. May flood at most times but unlikely. Stream meanders are also here.

V ALDERS (tick one box)

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1995 RIVER HABITAT SURVEY (RUN SPOT CHECKS) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6990

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 309 274 River: UN-NAMED TRIB OF EVENLODE

Date 29.5.1996 Time: 14.00 Surveyor name N. GRISE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☒ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND CONTROLS (physical features)

Riffles 9 Unvegetated point bars

Pools 4 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY (RUN SPOT CHECKS) Page 2 of 4

TALLY (use 2/f) for - Riffles | Pools | Unveg side bars | Veg point bars

A. PHYSICAL ATTRIBUTES (for 5m either side of spot check)

Spot check 1 m upstream ☐ downstream ☒

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if functional)										
Material	EA	SI	EA	EA	EA	EA	↑	EA	EA	EA
Bank modification(s)		PC	NO	NO	NO	NO		NO	NO	NO
Bank feature(s)	VS	NO	SC	NO	SB	SB		NO	SC	NO
CHANNEL										
Channel substrate	GP	CO	CO	GP	SI	SA	D	GP	GP	SA
Substrate shape	IR	FL	FL	OV	NA	NA	C	FL	IR	NA
Flow type	UW	UW	UW	UW	SM	RP	S	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	↓	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	I10		NO	NO	NO
RIGHT BANK (tick if functional)										
Material	EA	EA	EA	EA	EA	EA		EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO		NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	↓	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, NH, SC, IN, RP, HO, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	RP	SC	BL	BL	TH	SC	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BA/SC	U	S	S	C	C	U	S	U	U	U
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	C	↓	S	C	C
RIGHT BANK FACE (structure) BA/SC	S	S	S	C	S	S		S	S	U
RIGHT BANK-TOP (structure within 1m) BA/SC	S	S	S	C	C	S	C	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	BL	BL	BL	BL	BL	RP	TH	SC

C. PLANT/VEGETATION TYPES

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens			↓	↓	↓	↓				
Emerg broad-leaved herbs	↓	↓						↓	↓	↓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	↓	↓						↓		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1995 RIVER HABITAT SURVEY (RUN SPOT CHECKS) Page 3 of 4

SITE NO. 6990

A. CHANNEL MODIFICATIONS AND CHANNEL SUBSTRATE

	L	R		L	R
Natural/mixed woodland (BL)	↓	E	Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↓	↓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)	?	↓
Scrub (SC)	↓	↓	Open water (OW)		
Rough herbs/ rank vegetation (TH)	↓		Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Recent/undercut	↓	↓	Resectioned		
Natural + toe			Reinforced - whole bank	↓	↓
Steep (>45°)	E	E	Reinforced - top only		
Concrete	↓		Reinforced - toe only		
Gabions			Artificial two-stage		
			Poached	↓	
			Embanked		
			Set-back embankments		

B. TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☐	☒

C. CHANNEL FEATURES

	None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐
Cascades(s)	☐	☒	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☒	☐
Boil(s)	☒	☐	☐
Glide(s)	☐	☐	☒
Pool(s)	☐	☒	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☐	☒	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☐	☒	☐

Site predominant flow sequence (*select up to three features*): RIFFLE - POOL - GLIDE

1995 RIVER HABITAT SURVEY (DIMENSIONS AND QUANTITATIVE ATTRIBUTES) Page 4 of 4

A. CHANNEL DIMENSIONS (to be measured at a representative location)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	2.7	Banktop height (m)	0.4
Embanked height (m)	/	Water width (m)	1.1	Embanked height (m)	/
		Water depth (m)	0.03		

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☐ Number of Culverts = 1 Weirs = Overfalls = 1 Fords =
Footbridges = 3 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. RIPARIAN CORRIDOR MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D. RIPARIAN/OFF-SLOPE SPECIAL INTEREST FEATURES

None ☐
Waterfalls > 5m high ☐
Braided/side channels ☐
Debris dams ☒
Leafy debris ☐

Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐

Bog ☐
Carr ☐
Marsh ☒
Flush ☒

Other (state) .....

V. good plant con.

E. CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? (Nettle) Rhododendron bushes

G. OTHER FEATURES

Major impacts: bund/SD - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland (abandoned land) - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: V. v. diverse channel / floodplain - no need to manage banks - wildlife corridor

H. RIPARIAN TREE SURVEY

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A. BACKGROUND AND BASIC INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. SURVEY DETAILS

Reference network site number: 6994

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 728284 River: CLAYDON BROOK

Date 29/5/1996 Time 10.00 Surveyor name N. GREVE Accreditation code PE12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (see p.26 of guide)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D. MAIN CHANNEL FEATURES: POOLS AND RIFFLES

Riffles 3 Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.E. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E. RIVER HABITAT SURVEY (RHS) SPOT CHECKS

TALLY (use ☒) for - Riffles | Pools | Unveg. side bars | Veg point bars

F. RHS CONTROLS

Spot check 1 at upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	NO	RS	RS	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	VS	NO	NO	NO	NO	NO
CHANNEL SPOT CHECK										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	ER	NV	NV	TR	TR	NV	NV	NV
Flow type	SM	UW	SM	NP	SM	NP	RP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

G. BANK TOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from AR, CP, OR, NV, SC, TR, UF, IG, TL, SL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	IG	IG	NV	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MMMC	C	S	S	S	U	U	S	U	U	S
RIGHT BANK FACE (structure) MMMC	C	C	S	C	U	U	C	C	C	S
RIGHT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TL	IG	IG	IG	TL	IG	IG	IG

H. AQUATIC VEGETATION SURVEY

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list form 5										
Bryophytes/lichens	✓	✓	✓	✓	✓			✓	✓	
Emerg broad-leaved herbs	✓	✓	✓		✓	✓	✓	✓	✓	✓
Emerg fine-leaved/reeds	✓	✓	E	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓				✓				
Submerged broad-leaved										
Submerg fine/filamen-leaved										
Filamentous algae	E	E	✓	E	E	E	E	E	E	E

I. RIVER HABITAT SURVEY (RHS) DIMENSIONS AND FEATURES

J. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.8	Water width (m)	1.75	Banktop height (m)
Embanked height (m)		Water depth (m)	0.08	Embanked height (m)

If trapezium lower than banktop break in slope, bedwidth: height (m) = width (m) =

Bed quality at site is: unconsolidated (complete) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

K. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Pools =
Footbridges = Roadbridges = Other =

Is water impounded by weir(dam)? No ☒ Yes, <33% of site ☐ >33% of site ☐

L. RIVER CORRIDOR MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? Specify .....

M. FEATURES OF POTENTIAL INTEREST

None ☒

Waterfalls > 3m high	☐	Artificial open water	☐	Bog ☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

N. CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐ But abundant Algae

O. NATURAL FEATURES OF INTEREST

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Note Rhododendron bushes

P. OTHER

Major impacts: bankfix - dipping - litter - sewage - ~~straight~~ - ~~straightening~~ - ~~culvert~~ - dam - weed - silt - ~~dredging~~ - ~~ploughing~~ - ~~grazing~~ - ~~quarrying~~ - ~~recreation~~ - ~~industry~~ - ~~transport~~ - ~~other~~ =

Land Management: set-aside - buffer strip - headland - shelterbelt - hedge - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Deep channel, steep banks RS in part.

Q. MAN-MADE FEATURES

Added? None ☐ Present ☐ Extensive ☐ Diamond Alders? None ☒ Present ☐ Extensive ☐

R. CHANNEL SURVEY

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Open woody debris	☐	☒	☐

S. CHANNEL SURVEY

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Meander island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☒	☐	☐
Peat(s)	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence (select up to three features): SLACK (+ some RF)

RIVER HABITAT SURVEY (RHS) — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 6995

(*) *Mid-site grid reference of network site if different from designated location:* SP 890287

Moved, Access denied, Instead: Mr. Winter, Papercraft Farm.

Grid Reference: SP 891291 River: OUZEL

Date 28/5/1996 Time: 17.00 Surveyor name: N. GREEVE Accreditation code: P.F.12.

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(extent to be assessed over 500m)*

Riffles	Unvegetated point bars ✓
Pools ✓	Vegetated point bars ✓

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) SPOT CHECKS — Page 2 of 4

TALLY (use JHI) for - Riffles | Pools | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES *(to be assessed across channel within 1 m wide transect)*

Spot check 1 is upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
B. SUBSTRATE/SEDIMENTS										
Material *(BE,BO,CO,GR,SA,PE,CL,CC,SP,ME,GA,MA,RS,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(ME,MO,RS,RI,PC,BM,ED)*	RS	RS	RS	NO	RS	NO	NO	NO	RS	RS
Bank feature(s) *(WF,MO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	VS	NO	NO
C. CHANNEL										
Channel substrate * *(BE,BO,CO,GR,SA,SI,CL,PE,AA)*	NV	NV	NV	SI	NV	SI	SI	NV	NV	GP
Substrate shape *(FL,CH,CI,SP,CU,FO,SI, Others - note)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	IR
Flow type * *(FT,CH,BW,UW,CF,SP,UP,SM,MP,NO)*	NP	SM	SM	SM	SM	SM	SM	SM	NP	UW
Channel modification(s) *(ME,MO,CV,RS,RI,DA,TO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(WF,MO,BO,MB,VB,MI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *tick if functional bank* ✓										
Material *(BE,BO,CO,GR,SA,PE,CL,CC,SP,ME,GA,MA,RS,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(ME,MO,RS,RI,PC,BM,ED)*	RS	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(WF,MO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	VS	NO	NO	NO	NO	NO
D. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*										
Land use: choose one from BL, CP, OR, HO, RC, TH, AP, IG, IL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* *BA/SC*	C	C	C	C	S	S	U	U	U	
LEFT BANK FACE *(structure)* *BA/SC*	S	S	S	S	U	C	S	S	U	S
RIGHT BANK FACE *(structure)* *BA/SC*	S	U	S	S	S	S	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* *BA/SC*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
E. VEGETATION TYPES *(to be assessed over a 10m wide transect)*										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓	✓		✓			✓	
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	✓					✓	✓			✓
Free-floating										
Amphibious										
Submerged broad leaved	✓					✓	✓			
Submerg fine/linear-leaved		✓	✓	✓	✓		✓	E	✓	E
Filamentous algae				✓	✓				✓	

RIVER HABITAT SURVEY (RHS) — Page 3 of 4

SITE NO. 6995

F. LAND USE WITHIN 50m OF BANKTOP *(tick one box per column)*

	L	R
Broadleaved/mixed woodland (BL)		
Coniferous plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)		
Pasture (PA)	E	
Horticulture * rural vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	E
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW) CANAL	E	
Suburban/urban development (SU)	✓	

G. BANK PROFILE *(tick one box per column)*

	L	R
Natural/unmodified		
Undercut		
Vertical + toe	✓	
Steep (>45°)	✓	
Gentle		
Composite		

	L	R
Artificial/modified		
Resectioned	E	E
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Set-back embankments		

H. BANK EROSION AND RIVER CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

I. CHANNEL FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Berm(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Dominant flow sequence *(select up to three features)*: GLIDE.

RIVER HABITAT SURVEY (RHS) DIMENSIONS AND INFLUENCES — Page 4 of 4

J. CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	14.2	RIGHT BANK	
Bankop height (m)	2.0	Water width (m)	6.2	Bankop height (m)	2.0
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trapezium lower than bankop break in slope, indicate: height (m) = 1.3 width (m) = 10.25

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

K. ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

L. RIVER MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State .....

M. SOCIO-ECONOMIC AND INTEREST FEATURES

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☐ Leafy debris ☐

Artificial open water ✓ Natural open water ☐ Water meadow ☐ Fen ☐

Bog ☐ Carr ☐ Marsh ☐ Fluds ☐ Other (state) .....

N. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

O. BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

P. OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying (Overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland (Unmanaged hedge) - parkland - MoD - other? GOLF COURSE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies (damselflies)

Other significant observations: Lamb ... Canada ...

Q. ADDITIONAL SPECIES

Alders? None ☐ Present ☐ Extensive ☐ Disease Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE modules for plant ecology and geology Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6996

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 973231 River: OUZEL

Date 28/5/1996 Time 1445 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☒ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND DISTURBANCE *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY & TEN SPOT CHECKS Page 2 of 4

TALLY (use diff) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel (within 1m wide transect) * = one only)*

Spot check 1 is upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional zone										
Material * HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SB,SS,HW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * HV,BE,BO,CO,GP,SA,SI,CL,PE,AR	GP	GP	GP	SI	SI	SI	SA	SI	SI	SI (+SA)
Substrate shape FL,CH,EL,SP,CU,FO,IR, Others = none	IR	ER	IR	NA	NA	NA	NA	NA	NA	NA
Flow type * FT,CH,BW,UW,CF,RP,UP,SM,NP,NO	UW	UW	SM	SM	SM	SM	SM	SM	SM	
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) NV,NO,RO,MB,VB,MI,TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone										
Material * HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SB,SS,HW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	S	S	U	U	S	U	S	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	S	C	C	S	S	U	U	U
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	U	U	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	IG	IG	BC	IG	IG	IG	IG	IG

G VEGETATION *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes			✓	✓	✓	✓	E	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓					✓			✓	✓
Submerged broad-leaved			✓					✓	✓	✓
Submerg fine/linear-leaved	E			✓						✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6996 1996 RIVER HABITAT SURVEY Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(to be assessed over a 50m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK CONDITIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J SIGNIFICANT TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☒	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☒ (WOSH)
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES AND CONTROLS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 50m wide transect)*

LEFT BANK		Banktop width (m)	9.5	RIGHT BANK	
Banktop height (m)	2.75	Water width (m)	4.0	Banktop height (m)	2.75
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.8 width(m) = 11.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N MANAGEMENT ACTIVITY

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☒

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q EXTENT OF NUISANCE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron) dragonflies/damselflies

Other significant observations: RS - deep crane - ... bed ... SL
= TADPOLES in drains.

S ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: site IFE mods for plant genera and scoring Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 6997

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 024269 River: UNNAMED TRIB TO IVEL

Date 16/5/1996 Time 10:00 Surveyor name N. GRIEVE Accreditation code: PC12

Adverse conditions affecting survey? No [N] Yes [ ] *If yes, state* .....

Bed of river visible? No [ ] partially [ ] entirely [N] *(tick one box)*

IFE single photograph, general character? No [ ] Yes [Y] *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No [Y] Yes [ ] *(tick one box)*

Site surveyed from left bank [ ] right bank [Y] channel [ ] *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- [ ] shallow vee
- [ ] concave/bowl *(If U-shaped glacial valley - add "U")*
- [ ] deep vee
- [N] symmetrical floodplain
- [ ] gorge
- [ ] asymmetrical floodplain

Terraced valley floor? No [N] Yes [ ] IFE - VALLEY FORM NOTES:

D SUMMATION RIFFLES, POOLS AND UNITBARS (lateral total estimates)

Riffles \ Unvegetated point bars \

Pools \ Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use ||||) for: Riffles, Pools, Unveg. side bars, Veg. point bars

II PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is upstream ... downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenceline present										
Material	EA	EA	EA	SA	EA	EA	SA	EA	EA	EA
Bank modifications	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type	ND	ND	NP	NP	NP	NP	NP	NP	SM	SM
Channel modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fenceline present										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: IN, CP, OR, WH, BC, TH, RF, HT, FL, WL, OW, TO

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* MVSC	U	U	U	C	C	C	C	C	C	C
LEFT BANK FACE *(structure)* MVSC	U	U	U	S	C	U	S	B	S	S
RIGHT BANK FACE *(structure)* MVSC	S	S	S	S	U	U	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* MVSC	C	C	C	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	RP	TL	TL

G PLANT/VEGETATION TYPES (Tick one box per row)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓					✓	✓
Emerg broad-leaved herbs		✓	✓				✓	✓	E	✓
Emerg reed/sedge/rushes	✓				✓	✓	✓			✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	E	✓		✓	E				E
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6997 1996 RIVER HABITAT SURVEY: SCORESHEET Page 3 of 4

H SUBSTRATE AND FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Sheep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	[ ]	[Y]
Isolated/scattered	[ ]	[ ]
Regularly spaced, single	[ ]	[ ]
Occasional clumps	[ ]	[ ]
Semi continuous	[ ]	[ ]
Continuous	[ ]	[ ]

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	[ ]	[Y]	[ ]
Overhanging boughs	[ ]	[Y]	[ ]
Exposed bankside roots	[Y]	[ ]	[ ]
Underwater tree roots	[ ]	[Y]	[ ]
Fallen trees	[Y]	[ ]	[ ]
Coarse woody debris	[ ]	[Y]	[ ]

J CHANNEL FEATURES

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	[Y]	[ ]	[ ]	Stagnant dead-water	[ ]	[ ]	[Y]
Cascade(s)	[Y]	[ ]	[ ]	Exposed bedrock	[Y]	[ ]	[ ]
Rapid(s)	[Y]	[ ]	[ ]	Exposed boulders	[Y]	[ ]	[ ]
Riffle(s)	[Y]	[ ]	[ ]	Unvegetated mid channel bar(s)	[Y]	[ ]	[ ]
Run(s)	[Y]	[ ]	[ ]	Vegetated mid channel bar(s)	[Y]	[ ]	[ ]
Pool(s)	[Y]	[ ]	[ ]	Mature island(s)	[Y]	[ ]	[ ]
Glide(s)	[ ]	[Y]	[ ]	Unvegetated side bar(s)	[ ]	[ ]	[ ]
Pool(s)	[Y]	[ ]	[ ]	Vegetated side bar(s)	[Y]	[ ]	[ ]

Indicate predominant flow sequence (*select up to three features*): STAGNANT

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	1.75	Banktop height (m)	0.8
Embanked height (m)	/	Water width (m)	0.75	Embanked height (m)	/
		Water depth (m)	0.1		

If trapezium lower than banktop break in slope, indicate: height (m) = 0.4 width(m) = 1.0

Bed material at site is: consolidated (compact) [ ] unconsolidated (loose) [ ] unknown [ ] (SILT)

Location of measurement is: riffle [ ] run or glide [ ] other [Y] *(tick one box)*

L ARTIFICIAL IN-CHANNEL STRUCTURES

None [ ] Number of Culverts = 1 Weirs = Outfalls = Ponds =
Footbridges Roadbridges = Other =
Is water impounded by weir/dam? No Yes, <33% of site [ ] >33% of site [ ]

M EVIDENCE OF RECENT CHANNEL MANAGEMENT

None [Y] Dredging [ ] Mowing [ ] Weed cutting [ ]
Enhancement [ ] Other ? State .....

O FEATURES OF SPECIAL INTEREST

None [Y]
Waterfalls > 5m high [ ] Artificial open water [ ] Bog [ ] Other (state)
Braided/side channels [ ] Natural open water [ ] Carr [ ]
Debris dams [ ] Water meadow [ ] Marsh [ ]
Leafy debris [ ] Fen [ ] Floods [ ]

P CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO [ ] YES [Y]

Q PROTECTED/NOTABLE SPECIES

None [Y] Giant Hogweed [ ] Himalayan Balsam [ ] Japanese Knotweed [ ] Other? .Nettle Rhododendron bracken

R OTHER OBSERVATIONS

Major impacts: bank[fill - tipping - litter - sewage (effluent) drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip (headland) abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RS Agricultural ditch - Scum on surface of water (enrichment ?)

S LAND COVER (tick appropriate box in each column)

Alders? None [ ] Present [ ] Extensive [ ] Disused Alders? None [Y] Present [ ] Extensive [ ]

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number 6999

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 283221 River: BEANE

Date 15/5/1996 Time 15:00 Surveyor name N GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

NB IFE single photograph: general character? No ☑ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate 'none' if absent)*

Riffles ☑ Unvegetated point bars ☑

Pools ☐ Vegetated point bars ☑

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Camera jam. no photo.

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use 1MT) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* — use one entry only

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	GP	SI	SI	GP	SI
Substrate shape	/	/	/	/	/	NV	/	/	OV	/
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	US
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TH	TH	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	S	S	S	S	U	S	S	S	U	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	U	U	U	U	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TH	TH	TH	TL	IG	IG

G PLANT SPECIES AND VEGETATION TYPES *(to be assessed over a 10m wide transect)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓				✓				✓
Emerg reeds/sedges/rushes		E	E	E	E	✓	✓			E
Floating-leaved (rooted)									✓	✓
Free-floating										
Amphibious							✓	✓	✓	✓
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae	✓	✓			E	✓			✓	✓

SITE NO. 6999 — 1996 RIVER HABITAT SURVEY: SHEET 3 of

H LAND USE WITHIN 50m OF BANKTOP (LB) / (RB)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	✓	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Reactioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	E	E
			Poached		
			Eutrenched		
			Set-back embankments		

J CHARACTERISTIC REEDS AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (*select up to three features*): STAGNANT — almost no water at all below pumping station

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of

L CHANNEL DIMENSIONS *(to be assessed over a 50m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.75	Banktop width (m)	6.5	Banktop height (m)	1.8
Embanked height (m)	/	Water width (m)	1.4	*Embanked height (m)*	/
		Water depth (m)	0.04		

If trashline lower than banktop break in slope, indicate: height (m) = 1.2 width(m) = 5.1

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state) .....
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL IMPACTS

Major impacts: bunding - dipping - litter - sewage - pollution (drought) (abstraction) - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Steep banks during six 3 lower 3rd of survey reach - virtually no water remaining in channel.

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: METRE mods (for plant genera and fencing) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7003

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 647206 River: CHELMER

Date 10/5/1996 Time 14.00 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (16)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 5 Unvegetated point bars —

Pools 7 Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 'Alt') for: Riffles 111 Pools 111 Uaveg. side bars Veg. mid bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream, 10 downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RS	NO
Bank feature(s)	NO	VS	NO	NO	NO	SC	VS	NO	NO	VS
CHANNEL *NEW predefined codes*										
Channel substrate '	GP	GP	GP	SI	GP	GP	GP	GP	GP	SI
Substrate shape	OV	OV	OV	—	OV	OV	OV	OV	OV	—
Flow type '	SM	NP	RP	NP	SM	SM	NP	SM	RP	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	NO	RS	RS	RS	RS
Bank feature(s)	EC	SC	SC	NO	NO	VS	EC	NO	NO	NO

(16)

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BE, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	G	TA	TA	TH	TL	TL	SC	TA	TA	TL
LEFT BANK TOP *(structure within 1m)* BA/SC	U	S	U	S	U	C	S	U	U	U
LEFT BANK FACE *(structure)* BA/SC	C	S	S	S	S	S	S	U	U	U
RIGHT BANK FACE *(structure)* BA/SC	B	S	S	S	U	U	B	U	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	TL	—	TL	TL	—	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect: E if >5% cover, or tick (present) across all 10 spot checks)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓	✓	✓	✓				✓	✓
Emerg reeds/sedges/rushes	E	E			✓	✓		E	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious					✓					✓
Submerged broad-leaved										
Submerg fine/linear-leaved			E		E					✓
Filamentous algae	E	✓	E	✓	✓	✓	✓	✓	✓	E

† shows Crassula

SITE NO. 7003 1996 RIVER HABITAT SURVEY: 500m (SWIFT) [illegible] Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
[illegible] (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I CHANNEL MODIFICATIONS AND CONDITION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned	✓	E
Vertical + toe	✓		Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Variable			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock (CLAY)	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☐	☑

Dominant flow sequence *(select up to three features)*: GLIDE, RIFFLE, POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	7.5	Banktop height (m) 1.5
Embanked height (m)	—	Water width (m)	4.4	Embanked height (m) —
		Water depth (m)	0.1	

If trubbles lower than banktop break in slope, indicate: height (m) = 1.2 width(m) = 7.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleish ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle, Rhododendron bracken)

R OTHER HUMAN IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering channel, slow back...

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and concave - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7004

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 742266 River: PANT

Date 10/5/1996 Time: 8.45 Surveyor name N. GRIEVE Accreditation code: OF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

(NB) WATER VERY BROWN

Bed of river visible? No ☒ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (14)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles | Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS - Page 2 of

TALLY (use DMI) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = one entry only

Spot check 1 = upstream 10 = downstream 1

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(TICK if functional fence)*										
Material *	EA	EA	EA	EA	EA	EL	EA	EA	EL	EL
Bank modification(s)	NO	NO	RS	RS	RS	NO	NO	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	NV	NV	NV	NV	NV
Substrate shape	NV	NV	NV	NV	NV	NA	NA	NA	NA	NA
Flow type *	RP	RP	RP	RP	RP	BW	RP	SM	RP	UP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NC	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material *	EL	EA	EL	EL	EL	EL	EA	EA	EA	EL
Bank modification(s)	RS	NO	NO	NO	NO	NO	RS	NO	NO	RS
Bank feature(s)	NO	NO	EC	SC	NO	EC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TL	TL	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	C	U	U	U	S	S	C	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	S	S	C	U	S	S	S	S	U	U
RIGHT BANK FACE *(structure)* BA/US/C	S	S	C	U	S	S	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(Cover scale: 1 = <5%, 2 = 5-25%, 3 = 25-50%, 4 = 50-75%, 5 = 75-100%)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓			✓		✓				✓
Bryophytes/lichens										
Emerg broad-leaved herbs (Ex. Rubus sp.)		✓	✓		✓	✓		✓	✓	✓
Emerg reeds/sedges/rushes (Sparganium erectum)			✓					✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

† USE

SITE NO. 7004 1996 RIVER HABITAT SURVEY - SIDE VIEWS - Page 3 of

H SIDE VIEWS OF BANKTOP *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tillage land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* / rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I BANK CONDITIONS *(tick one box per bank)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	E	Reconstructed	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K RIVER CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☐	☒	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☐	☒	Vegetated mid-channel bar(s)	☒	☐	☐
Bed(s)	☐	☐	☒	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN - GLIDE (RUP)

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES - Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at a cross section through a representative reach)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	7.0	Banktop height (m)	1.75
Embanked height (m)	—	Water width (m)	5.5	*Embanked height (m)*	—
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 6.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M HYDROLOGICAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? ..... No ☒ Yes, <33% of site ☐ >33% of site ☐

N RIVERSIDE LAND MANAGEMENT *(within 50m of bank)*

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF RIVERSIDE CONTEXT *(within 50m of bank)*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q INVASIVE PLANTS *(within 50m of bank)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OTHER FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering channel GP substr. some RS, but steep banks.

S ALDERS

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7005

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 830278 River: BOURNE BROOK

Date 9/5/1996 Time: 11.20 Surveyor name N GREVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* . . .

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (11)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 20 Unvegetated point bars |

Pools 13 Vegetated point bars

...ND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FAULT (use /// for ...) Riffles Pools Unveg side-bars / Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 = upstream ... 10 = downstream	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if (fractional) fence	N	N	N	N	N	N	N	N	N	N	
Material *MM,BE,BO,CO,GT,SA,PF,CL,CC,SP,WP,GA,BR,BB,MM*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *NE,NO,RS,RI,PC,BM,UM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	SC	NO	SC	NO	SC	EC	NO	NO	NO	NO	
CHANNEL NEW substrate shape codes	SP Le OV ov SI CL Bedrock Artificial Other										
Channel substrate *MV,BE,BO,CO,GP,SA,SI,CL,PE,AB*	SP	SP	SP	SP	GP	CL	SI	SP	SP	P	(SM)
Substrate shape *FL,UW,EL,SP,CU,PO,IR, Others - state*	OV	OV	OV	OV	?	-	-	OV	OV	OV	
Flow type * *FF,CH,BW,UW,CA,RF,UP,SM,MP,NO*	NP	LAM	UW	UW	SM	NP	SM	SM	SM	SM	
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) *MV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if fractional fence											
Material *MM,BE,BO,CO,GT,SA,PF,CL,CC,SP,WP,GA,BR,BB,MM*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *NE,NO,RS,RI,PC,BM,UM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	EC	SC	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: IR, CP, OR, MH, SC, TH, RP, FG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	V	IG	IG	IG	SC	SU	SC	IG
LEFT BANK TOP *(structure within 1m)* *BA/U/SC*	C	I	I	I	SU	SU	C	SU	SU	SU
LEFT BANK FACE *(structure)* *BA/U/SC*	SU	SU	-	-	U	BA	SU	SU	SU	SU
RIGHT BANK FACE *(structure)* *BA/U/SC*	SU	-	SU	-	SU	SU	U	C	SU	SU
RIGHT BANK TOP *(structure within 1m)* *BA/U/SC*	I	SU	SU	-	SU	I	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANK TOP (R)	IG	-	IG	SC	SC	SC	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(% within transect: 0=absent, 1=1-5%, 2=6-25%, 3=26-50%, 4=51-75%, 5=76-100%) or tick (present), Score each vertical column*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	V		V	V	V	V	V	V	V	V
Emerg broad-leaved herbs		V								V
Emerg reeds/sedges/rushes			V		V					V
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	V	S	V	E	V	V	E	V	E

SITE NO. 7005 1996 RIVER HABITAT SURVEY: SIDE SHEET Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
...adleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
...niferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
...rchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...rub *(SC)*	V	V	Open water *(OW)*		
...ll herbs* rank vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK CONSTRUCTION

Natural/unmodified	L	R	Artificial/modified	L	R
...rtical/undercut	E	E	Resectioned		
...rtical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
...posite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J INCIDENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K INCIDENCE OF CHANNEL FEATURES

	None	Present	B		None	Present	B (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bend(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☐	☒	Vegetated side bar(s)	☒	☐	☐

...ate predominant flow sequence *(select up to three features)*: RIFFLE / POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at the site on a straight reach over representative bed features)*

LEFT BANK		Bankfull width (m)	4.30	RIGHT BANK	
Bankfull height (m)	1.5	Water width (m)	2.75	Bankfull height (m)	1.5
Embanked height (m)	-	Water depth (m)	0.05	*Embanked height (m)*	

If ...nkfull lower than bankfull break in slope, indicate: height (m) = 0.6 width (m) = 3.80

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M CHANNEL FEATURES

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . .

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q EVIDENCE OF NON-NATIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? Nettle, Rhododendron bushes

R OVERALL RIVER CORRIDOR SURVEY

Major impacts: bankfill - ...pping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - ...housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Good natural channel.
Recent plantations in meander loop (small)

S VEGETATION *(for bankfull bar(s))*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with GPS mode for plant species and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7006

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 973256 River: COLNE

Date 7.15.1996 Time: 12.00 Surveyor name N. GREE Accreditation code: DF: 2

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* 5

(duplicate will be made by scanning)

and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

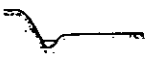

☒ shallow vee


☐ concave/bowl *(If U-shaped glacial valley - add "U")*


☐ deep vee


☐ symmetrical floodplain


☐ gorge


☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 4 Unvegetated point bars

Pools 3 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use 5#'s) for - Riffles |||| Pools ||| Un-veg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = use cavity only

Spot check 1 m upstream ↘ downstream ↓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material	EA	EA	EA	EA	SP	CC	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	NO	RI	RI	RS	NO	NO	NO
Bank feature(s)	NO	VS	NO	NO	NO	VS	NO	NO	NO	SC
CHANNEL										
Channel substrate '	SI	SI	SI	SI	MI	GR	SI	SD	SD	SD
Substrate shape						CV		CV	CV	CV
Flow type '	SM	SM	SM	SM	SM	NO	SM	NO	SM	RI
Channel modification(s)	NO	NO	NO	NO	RS	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material	EA	EA	EA	EA	SA		EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	TH	TH	SU	SU	IG	RP	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	'	B	U	'	'	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	U	S	B	U	S	'	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	'	B	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	S	U	B	S	'	'	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	TH	BH	SU	YH	SU	IG	IG	SU

G CHANNEL VEGETATION TYPES *(1m wide transect)* Tick (ground, soil, patchy) (water)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											
Emerg broad-leaved herbs	Epilobium sp							✓	✓	✓	✓
Emerg reeds/sedges/rushes		✓	✓	✓	✓	✓					✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved		✓	✓	✓	✓		✓		✓	✓	✓
Filamentous algae		✓	✓	✓	✓		✓	✓	✓	✓	✓

SITE NO. 7006 1996 RIVER HABITAT SURVEY: 500m (SWEEP) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(1m wide transect)* *(if greater than 50m, estimate)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	✓	✓

I BANK SIDE CHARACTER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	E	Reinforced	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J RIPARIAN COVER TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K WATER COURSE FEATURES WITHIN 50m OF SURVEY

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s) (LINEAR)	☐	☒	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☐	☒	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: SLIDE RIFFLE / POOL Below

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(1m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	8.0	Banktop height (m)	2.0
Embanked height (m)	-	Water width (m)	5.5	*Embanked height (m)*	-
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = 1.8 width(m) = 7.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = 1 Fords =
Footbridges = 1 Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒ = 50%

N RIVERSIDE MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ?, State .....

O FEATURES OF SPECIAL INTEREST

None ☒ Bare soil has side cutting

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE AQUATIC PLANTS *(1m wide transect)* Tick if LARGE STANDS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R RIVERSIDE LAND USE *(1km wide transect)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = encroachment ?

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: River changes dramatically half way along survey reach, due to influence of mill

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders* None ☒ Present ☐ Extensive ☐
(some old/dying)

1996 RIVER HABITAT SURVEY with MIRE mods for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7007

Mid-site grid reference of network site if different from designated location: TM 004203 (moved 'cos tidal)

(original)

Grid Reference: TM 031208 River: ROMAN RIVER.

Date 7/5/1996 Time: 14:15 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (4)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT-CHECKS Page 2 of 4

TALLY (use diff) for - Riffles Pools Unveg. sdc bars Veg point bars

G PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	N	N	N	N	N	N	N	N	N	N
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	PC	PC	NO	NO	NO	NO	PC	NO	PC
Bank feature(s)	NO	NO	VS	VS	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional fence	N	N	N	N	N	N	N	N	N	N
Channel substrate '	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape										
Flow type '	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	N	N	N	N	N	N	N	N	N	N
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BI, CT, OR, HH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	SC	SC	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/SC	U	U	U	U	U	C	S	U	U	U
LEFT BANK FACE *(structure)* BA/SC	S	S	U	S	U	S	U	U	S	U
RIGHT BANK FACE *(structure)* BA/SC	U	U	S	U	U	U	S	S	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	SC	IG	RP	IG

H CHANNEL VEGETATION TYPES *(One point, 1m wide (3ft) transect)* NONE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sp									
Emerg reeds/sedges/rushes	Scirp									
Floating-leaved (rooted)	E	E	E	E	E	E	E	E	E	E
Free-floating										
Amphibious										
Submerged broad leaved						V				V
Submerg fine/linear-leaved			E	E	V	V	V	V	V	E
Filamentous algae	E	E	V	V	V	V	V	E	E	E

SITE NO. 7007 1996 RIVER HABITAT SURVEY 500m SWEEP UP Page 3 of 4

I LAND USE WITHIN 50m OF BANK TOP *(tick all that apply)*

	L	R		L	R
Orchard/mixed woodland (BL) (PLANTING)		E	Rough pasture (RP)	V	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	V
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	V		Open water (OW)		
Tall herbs' weed vegetation (TH)			Suburban/urban development (SU)		

J BANK PROFILE *(Tick all that apply)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		E
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)	E		Reinforced - top only		
Gentle	V		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	
			Embanked		E
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☒	☐	☐ - Some slight shading from hedgerow
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

L CHANNEL FEATURES

	None	Present	B		None	Present	B (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bend(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

Dominate predominant flow sequence *(select up to three features)*: GLIDE.

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

M CHANNEL DIMENSIONS *(Use a tape to measure at right angles to the flow, from bankfull to bankfull)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.7	Banktop width (m) 10.5	Banktop height (m)	0.5
Embanked height (m)	—	Water width (m) 6.5	*Embanked height (m)*	1.0
		Water depth (m) 1.0		

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

N ARTIFICIAL FEATURES *(within 50m of bankside)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

O MANAGEMENT/MAINTENANCE *(within 50m of bankside)*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

P FEATURES OF SPECIAL INTEREST *(within 50m of bankside)*

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Q CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

R NUISANCE PLANT SPECIES *(within 50m of bankside)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

S LAND USE *(within 50m of bankside)*

Major impacts: landfill - tipping (domestic) (inert) - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - (MoD) other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron) dragonflies/damselflies

Other significant observations: Slow flowing meandering channel, but U/S/EM. Extensive channel veg.

T ALDER *(within 50m of bankside)*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B DETAILED SURVEY DETAILS

Reference network site number: 7008

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 154283 River: RAMSEY BROOK [UN-NAMED RIB(-1 STORE)]

Date 6.1.5/1996 Time: 13.30 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (1)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: ITEM SPOT-CHECKS — Page 2 of 4

TALLY (use 1111) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = one entry only

Spot check 1 = u/stream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	☑		☑							
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,SW)*	EA	CC	EA	EA	EA	EA	EA	EA	EA	CC
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EX)*	RS	RI	RS	RS	PC	RS	RS	RS	RS	RS
Bank feature(s) *(WV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW SECTION *(for all features CB=bed, TOP=top of bank)*										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SI	P	SI	SI	SI	SI	SI	S	SI	SI
Substrate shape *(FL,CV,CI,SP,CU,PO,OT, Others = note)*	/	RI	/	/	/	/	/	/	/	/
Flow type * *(FF,CH,BW,UW,CF,RP,UP,SM,WF,NO)*	SM	U	SM	SM	SM	NO	SM	ND	UP	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	P	NO	NO	NO	NO	NO	NO	NO	RS
Channel feature(s) *(WV,NO,RO,MB,VB,MI,TR)*	NO	V	NO	NO	NO	NO	NO	NO	NO	VB
RIGHT BANK TICK if functional fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,SW)*	EA	CC	EA	EA	EA	EA	EA	EA	EA	CC
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EX)*	RS	RI	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(WV,NO,EC,SC,PB,VP,SB,VS)*	EA	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TN, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SU
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	P	U	S	S	S	S	S	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	P	U	U	U	U	U	S	B	B
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	S	S	S	B	B
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	B	B	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	SC	TL	TL	TL	SU (HOUSE)	ASSESSED 2.8.96			

G CHANNEL VEGETATION TYPES *(for all features CB=bed, TOP=top of bank)*

	CB	TOP								
NONE / PLANT GENERA - list first 5		✓								
Bryophytes/lichens										
Emerg broad-leaved herbs	E	EPILOBIUM HI			✓		✓	✓		E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓		✓	✓	✓		✓		✓	✓

* NEW REST for Agr coll.

SITE NO. 7008 — 1996 RIVER HABITAT SURVEY: SPOT-CHECKS — Page 3 of 4

H ADJACENT WITHIN BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	E		Open water *(OW)*		
Tall herbs - rank vegetation (TH)			Suburban/urban development *(SU)*	✓	E

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		✓
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): SLOW GLIDE / SHALLOW RIFFLE (LOW FLOW)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	5.0	Banktop height (m)	1.5
Embanked height (m)	/	Water width (m)	0.25	*Embanked height (m)*	/
		Water depth (m)	0.05		

If trashline lower than banktop break in slope, indicate: height (m) = 0.2 width(m) = 1.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Footbridges = 1 Weirs = 1 (grazing) Outfalls = 3 Fords = Roadbridges = 1 Other = ABSTRACTION POINT

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q NOTABLE PLANTS *(tick appropriate box(es))*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping (litter) - sewage - pollution (drought - abstraction) - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (fishing) other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = ROAD SIDE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 25 Agricultural Ditch alongside road. MOD. fwd @ lower end CC banks U/S & abstraction.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fascine — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7009

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 14/5/1996 Time: 15.56 Surveyor name: GOULETT Accreditation code: PF10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	3	Unvegetated point bars	
Pools	2	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for · Riffles III · Pools || · Unveg. side bars · Veg point bars

E PHYSICAL ATTRIBUTES *(for the assessment of channel dimensions within a 5m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	CL	CL	BE	EA
Bank modification(s)	NO	—								→
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	SB
CHANNEL (at NEW transect)										
Channel substrate	BL	CO	CO	CO	GP	GP	CO	BE	CO	GP
Substrate shape	NO	IR	IR	CU	IR	IR	IR	IR	IR	IR
Flow type	SM	RP	NP	RP	RP	SM	RP	UN	RP	RP
Channel modification(s)	NO	NO	—							→
Channel feature(s)	NO	NO	—							→
RIGHT BANK TICK if functional feature										
Material	EA	—								→ BE
Bank modification(s)	NO	—								→
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	SB	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	BL	SC	SC	TL	TL
LEFT BANK-TOP *(structure within 1m)* BT/ST/C	S	S	C	C	S	—				→
LEFT BANK FACE *(structure)* BT/ST/C	U	S	S	S	U	S	B	S	→	
RIGHT BANK FACE *(structure)* BT/ST/C	U	S	S	S	S	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* BT/ST/C	S	S	S	S	S	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	BL	SC	SC	SC

G CHANNEL VEGETATION TYPES *(within the bankfull channel)*

NONE / PLANT GENERA - list first 5			✓				✓		✓	
Bryophytes/lichens	Moss	✓		✓	✓	✓	✓		✓	
Emerg broad-leaved herbs	Apium	E	✓							
Emerg reeds/sedges/rushes	Grass									
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓								
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

7009

SITE NO.

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND DIFFERENCES — SPOT CHECK

H CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop width (m)		6.0	Banktop width (m)	
Banktop height (m)	2.0	Water width (m)	0.5	Banktop height (m) 1.5
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT *(tick one box per feature)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF SPECIAL INTEREST *(tick one box per feature)*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

L CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M INVASIVE PLANTS *(tick one box per species)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mettle Rhododendron bushes

N OTHER MANAGEMENT FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

O TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

P ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

Q CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): 1. RIFFLE - RUN

R ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with JFE codes for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7010

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WEAVERN (LEGACY)

Date 15/5/1996 Time: 9.00 Surveyor name: G COLLETT Accreditation code: PE10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D ENUMBER OF RIFFLES, POOLS AND POINT BARS *(in and near site)* number

Riffles 2 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across Channel within a 1m wide transect)* in one unit only

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *(ER,SI,SA,CL,PE,GR,CB,BO)*	CA									
Bank modification(s) *(ME,MO,RS,RI,PC,BM,ES)*	NO									
Bank feature(s) *(IN,PO,EC,SC,PB,VP,SB,VS)*	NO	EC	EC	SC	NO	VS	NO	NO	SC	NO
CHANNEL NEW *(Channel Width Taken)*										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	SA	GP	GP	GP	BL	SP	GP	GP
Substrate shape *(FL,CV,CU,SP,CU,PO,BE, Others - note)*	NV	NV	NO	IR	IR	IR	IR	IR	IR	IR
Flow type *(FF,CH,RW,UW,CF,RP,UP,BM,MP,NO)*	SM	SM	SM	SM	UW	SM	RP	FA	UW	RP
Channel modification(s) *(ME,NO,CV,RS,RI,DM,FO)*	NO									
Channel feature(s) *(IW,PO,BO,MB,VB,MI,TR)*	NO									
RIGHT BANK TICK if functional fence										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,VP,GA,SB,SE,BW)*	CA									
Bank modification(s) *(ME,NO,RS,RI,PC,BM,ES)*	NO									
Bank feature(s) *(IW,PO,EC,SC,PB,VP,SB,VS)*	EC	NO	VS	EC	NO	EC	SC	NO		

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MB, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG									
LEFT BANK-TOP *(structure within 1m)* BA/US/C	U									
LEFT BANK FACE *(structure)* BA/US/C	U	B	B	S	S	U	S	S	U	S
RIGHT BANK FACE *(structure)* BA/US/C	S	U	U	B	S	B	S	U	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	S	U	U	U	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	IG	IG	IG	SC	SC	IG	BL

G CHANNEL VEGETATION STYLES *(10m wide transect) Estimate % cover (2-3 cm wide strip) or tick (present) 500m*

	/ PLANT GENERA - list first 5									
NONE		✓						✓		
Bryophytes/lichens	/ Ranunculus									✓
Emerg broad-leaved herbs	/ Rp.um									
Emerg reed/sedges/rushes	/ Phragmites			✓	✓		✓		✓	
Floating-leaved (rooted)	/ Algae									
Free-floating	/ Mrg.									
Amphibious	/									
Submerged broad-leaved	/					✓				
Submerg fine/linear-leaved	/		✓		✓	✓	✓		✓	
Filamentous algae	/		✓	✓	✓		✓			

7010

SITE NO.

1996 RIVER HABITAT SURVEY: SUPPLEMENTARY — Page 3 of 4

H SUBSTRATE COMPOSITION *(Bank Top)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	€	€
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* and vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANK PROFILE *(10m wide transect)*

	L	R		L	R
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	€	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	€	✓	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J FEATURES OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K FEATURES OF CHANNEL

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☑	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☑	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): R ... P ...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(Bankfull)*

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	12	Banktop height (m)	1.5
Embanked height (m)		Water depth (m)		*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick one box per bank)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick one box per bank)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q OTHER SIGNIFICANT PLANT SPECIES *(tick one box per bank)* RARE STATUS of others

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R OTHER AREA CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? = PASTURE

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: COMMENT, BUZZARD

S ALDER *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE ... for plant genera and cover

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELDS SURVEY DETAILS

Reference network site number: 7018

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 792 131 River: Gledd

Date 6/5/1996 Time: 15:00 Surveyor name MG Accreditation code: RE PEGS

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (to nearest whole number)

Riffles 1 Unvegetated point bars 1

Pools 2 Vegetated point bars 0

) COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use JHI) for - Riffles 1 Pools 1 Unveg. side bars Veg point bars

A. PHYSICAL ATTRIBUTES (to be assessed across Channel - Width (metres) ... SPOT CHECK)

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK (from looking downstream)										
Material (MU,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,SW)	BO	BO	BO	CO	BO	DC	BO	BE	CO	BO
Bank modification(s) (NE,MO,RS,RI,PC,BM,EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NV,MO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	SO	NO	SC	SB	NO	NO	SO
CHANNEL										
Channel substrate (MU,BE,BO,CO,GP,SA,SI,CL,PE,AR)	BO	BO	RP	BO	BO	DC	BO	BE	CO	BO
Substrate shape (FL,OV,EL,SP,CU,PO,IR, Others - note)	IR	IR	CU	IR	IR	FL	IR	CU	CU	IR
Flow type (FF,CH,RW,UW,CF,RP,UP,SM,NP,NO)	SM	RP	SM	SM	RP	RP	NP	FF	RP	SM
Channel modification(s) (NE,MO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV,MO,RO,MB,VB,MI,TR)	RO	RO	RO	RO	RO	RO	RO	RO	MB	RO
RIGHT BANK SPOT CHECK (if functional feature)										
Material (MU,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,SW)	CO	BO	BE	BE	BO	BO	BE	BO	BO	BE
Bank modification(s) (NE,MO,RS,RI,PC,BM,EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NV,MO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	NO	SB	NO	SC	NO	NO	SC

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 50m wide transect)

Land use, choose one from BL, CF, OR, MR, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	DL	DL
LEFT BANK-TOP (structure within 1m) BA/US/C	S	S	C	S	S	U	C	S	S	S
LEFT BANK FACE (structure) BA/US/C	S	U	S	S	U	U	S	S	S	U
RIGHT BANK FACE (structure) BA/US/C	S	U	U	U	S	B	U	S	U	U
RIGHT BANK-TOP (structure within 1m) BA/US/C	S	S	S	S	S	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	DL	BL	BL	DL	DL	DL	BL

C. CHANNEL VEGETATION (Cover Scale) (to be assessed over a 50m wide transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae (Cladophora, Hyd...)	E	E	E	E	E	✓	E	✓	E	E

1996 RIVER HABITAT SURVEY: SITE NO. 7018

A. LAND USE WITHIN 50m OF BANKTOP (to be assessed over a 50m wide transect)

	L	R		L	R
Coniferous/mixed woodland (BL)	E	E	Rough pasture (RP)		
Uniform plantation (CP)	✓		Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" rank vegetation (TH)			Suburban/urban development (SU)		

B. BANK PROFILE (to be assessed over a 50m wide transect)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Variable			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

C. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☐	☑

D. CHANNEL FEATURES (to be assessed over a 50m wide transect)

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☐	☑
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Site predominant flow sequence *(select up to three features)*: Cascade - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS (to be assessed over a 50m wide transect (one section perpendicular to flow))

LEFT BANK				RIGHT BANK
Banktop width (m)			10.0	
Banktop height (m)	0.3	Water width (m)	3.0	Banktop height (m) 0.25
Embanked height (m)		Water depth (m)	0.5	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES (to be assessed over a 50m wide transect)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. RIVER CORRIDOR MANAGEMENT (to be assessed over a 50m wide transect)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D. FEATURES OF ENGINEERING INTEREST (to be assessed over a 50m wide transect)

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. NOTABLE PLANT SPECIES (to be assessed over a 50m wide transect)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nortic Rhododendron bracteo

G. OVERALL RIVER CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Rather stream in deep, wooded valley. Flow much less than channel capacity.

H. ALDERS (to be assessed over a 50m wide transect(s))

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SURVEY DETAILS 1 & 2

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7019

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 601 17 River: Tawe

Date 16/5/1996 Time: 16.30 Surveyor name MS Accreditation code PF6

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(number of features)*

Riffles	6	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SURVEY DETAILS 2

TALLY (use *first*) for - Riffles | Pools | Unveg side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel width)*

Spot check 1 in: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(looking downstream)*										
Material *	BL	CO	BE	PE	FE	BR	RE	BR	CA	CO
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	RI	NO	NO
Bank feature(s)	NO	CB	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	CO	C	BE	CO	DO	CO	R	CO	CO	CO
Substrate shape	OV	R	AN	OV	OV	OV	R	OV	OV	OV
Flow type *	RP	RP	RP	SM	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MB	R	NO	RO	PO	PO	NO	NO	NO	NO
RIGHT BANK *(looking downstream)*										
Material *	RE	PA	RE	BO	R					
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	CB	NO	NO	NO	NO	NO	CB

F BANK OP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SU	BL	BL	SU		SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* BA/S/C	S		C	C						
LEFT BANK FACE *(structure)* BA/S/C	S		U	S						
RIGHT BANK FACE *(structure)* BA/S/C	S		S	S					S	
RIGHT BANK-TOP *(structure widths 1m)* BA/S/C	C	S	S	C			C		C	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓				✓			✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae (Lal)	✓	✓	E	E	E	✓	✓	✓	✓	✓	E

SITE NO. 7019 | 1996 RIVER HABITAT SURVEY: SURVEY DETAILS 3

H LAND USE WITHIN 50m OF BANKTOP *(estimate % of each)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* / rank vegetation (TH)			Suburban/urban development (SU)	E	

I BANK PROFILES *(estimate for each bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	
Sloap (>45°)	E	E	Reinforced - top only	✓	
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PERCENT TREE AND SCRUB FEATURES *(estimate for each bank)*

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES *(estimate for each)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Rapid - Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES 1

A CHANNEL DIMENSIONS *(to be measured at a cross section perpendicular to flow direction)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	17.0	Banktop height (m)	0.6
Embanked height (m)		Water width (m)	10.0	*Embanked height (m)*	
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B HABITAT FEATURES *(estimate for each reach)*

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT *(estimate for each reach)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF CANALISATION *(estimate for each reach)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE PLANTS *(estimate for each reach)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle, Rhododendron bushes

G ALLIANCE FACTORS *(estimate for each reach)*

Major impacts: landfill - tipping (litter) - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Large river running adjacent to housing, abundant ex... bacteria, bacillus + algae.

H QUICK CHECK *(estimate for each reach)*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

2. FIELD SURVEY DETAILS

Reference network site number: 7020

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 925112 River: Afon Mellte

Date 17/5/1996 Time: 9.50 Surveyor name MG Accreditation code. PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

3. PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

4. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 2 Unvegetated point bars 2

Pools 2 Vegetated point bars 2

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO ..... DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use Jiff) for - Riffles // Pools Unveg. side bars Veg point bars

1. PHYSICAL ATTRIBUTES

(to be assessed across Channel within a 10m wide transect) one entry per ☑

Spot check 1 m: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK if functional fence										
Material *MV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	CO	BO	CO	CO	EA	BE	CO	DE	BE	DE
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	LE	SB	NO	NO	SB	NO	NO	NO
CHANNEL										
Channel substrate * *MV,BE,BO,CO,GF,SA,SI,CL,PE,AR*		CO	CO	CO	DC	BE	CO	BE	DE	
Substrate shape *FL,OV,EL,SP,CU,CO,FO,DI, Others - note*		NV	NV	NV	FL	IR	OV	FL	CU	
Flow type * *FF,CN,RW,UW,CF,RP,UP,SM,MP,NO*		FF	FF	SM	RP	RP	CFF	UW	CM	RP
Channel modification(s) *NE,MO,CV,RS,RI,DA,FO*				NO	NO	NO	NO	NO	NO	
Channel feature(s) *MV,MO,BO,MB,VB,MI,TR*				RO	RO	RO	RO	RO	NO	
RIGHT BANK - STICK if functional fence										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*				CO	BE	BE	BE	BE	BE	
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*				NO	NO	NO	NO	NO	NO	
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*				NO	NO	NO	NO	NO	NO	

2. BANKTOP LAND USE AND VEGETATION STRUCTURES

(to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG			IG	BL	BL	BL	DL	BL	
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U			S	C	S	S	S	U	
LEFT BANK FACE *(structure)* B/U/S/C	C	C	C	C	C	S	U	S	S	
RIGHT BANK FACE *(structure)* B/U/S/C	U	C	C	S	U	S	S	C	C	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	C	C	S	S	C	C	S	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	BL	BL	DL	DL	IG	DL	BL	BL

3. CHANNEL VEGETATION TYPES

(to be assessed over a 10m wide transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓		✓	✓	E	✓	✓		✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae (i.e. Hydr)	✓	E	✓	E	E	E	E	✓	✓	E

1996 RIVER HABITAT SURVEY: SPOT CHECKS

SITE NO. 7020

4. LAND USE WITHIN 50m OF CHANNEL

	L	R		L	R
Radical/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*	✓	✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs" rank vegetation (TH)			Suburban/urban development *(SU)*		

5. BANK AND SHORE MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Actual/undercut	✓	✓	Resectioned		
Actual + toe			Reinforced - whole bank		
Slump (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set back embankments		

6. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

7. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☐	☑
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Is predominant flow sequence *(select up to three features)*: Cascade Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

8. CHANNEL DIMENSIONS

(to be assessed over a 10m wide transect)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.25	Banktop width (m)	10.0	
Embanked height (m)		Water width (m)	7.0	Banktop height (m) 0.4
		Water depth (m)	0.10	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

9. CHANNEL FEATURES

(natural and man-made)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

10. RIVERSIDE/POINT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

11. FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☑
Braided/side channels ☐
Debris dams ☐
Leafy debris ☐
Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐
Bog ☐
Carr ☐
Marsh ☐
Flush ☐
Other (state) .....

12. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

13. BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

14. OVERALL RIVER CORRIDOR SURVEY DETAILS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) (grey wagtail) sand martin - heron - dragonflies/damselflies

Other significant observations: .....

15. TREES

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7027

Mid-site grid reference of network site if different from designated location:

Grid Reference: 690133 River:

Date: 9.5/1996 Time: 2.20 pm. Surveyor name: Ia Harris Accreditation code: RF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate data limitations)*

Riffles 5 Unvegetated point bars 3

Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT-CHECKS — Page 2 of

TALLY (use ||||) for · Riffles |||| Pools || Unveg. side bars 0 Veg point bars

B PHYSICAL ATTRIBUTES *(tick for associated features within a 1m wide transect)* · = one entry only

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓							
Material *WN,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RS	NO	NO	NO	NO	NO
Bank feature(s) *WP,BO,EC,SC,PB,WP,SB,VS*	NO	PB	NO	EC	NO	SC	EC	NO	NO	SC
CHANNEL Spot check 1 is: upstream ☑ downstream ☐										
Channel substrate ' *WN,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	SI	GP	SI	NV	NV	GP	BE	BE	GP
Substrate shape *FL,OV,ID,SP,CU,PO,IR, Others - note*										
Flow type ' *FF,CH,RW,UW,CF,RP,SP,SM,NP,NO*	RP	SM	SM	SM	NP	RP	RP	RP	SM	RP
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓							
Material *WN,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RS	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, MH, SC, TH, RP, FO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SC	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m) BA/US/C*	C	C	C	S	U	C	S	C	S	S
LEFT BANK FACE *(structure) BA/US/C*	S	S	S	B	B	C	S	C	B	B
RIGHT BANK FACE *(structure) BA/US/C*	S	S	S	B	S	C	S	S	B	S
RIGHT BANK-TOP *(structure within 1m) BA/US/C*	C	C	C	B	U	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(Count 5 Sites and Plots (present) 50m reach)*

NONE / PLANT GENERA - list first 5	✓		✓	✓		✓				
Bryophytes/lichens										
Emerg broad-leaved herbs		✓			✓		✓	✓		E
Emerg reeds/sedges/rushes					✓					
Floating-leaved (rooted)										
Free-floating										
Amphibious										✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae							✓	E	✓	✓

SITE NO. 7027 — 1996 RIVER HABITAT SURVEY SPOT-CHECKS — Page 3 of

E LAND USE WITHIN 50m OF MID-SITE TRANSECTS

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' rank vegetation *(TH)*			Suburban/urban development *(SU)*		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

H TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

I CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN · GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of

J CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop width (m)		Banktop width (m)	2.0	Banktop width (m)
Banktop height (m)	0.5	Water width (m)	1.5	Banktop height (m) 0.5
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

K ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = DAM / LAKE

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

L RIVERSIDE MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

M FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

N CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

O NOTABLE AND/OR ALIEN PLANT SPECIES *(Use DAFOR scale)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

P MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Very overgrown in places (i.e. unaccessible). Small stream, bit meandered a bit, especially upstream of Station. Large pond/lake (S check 5) artificially dammed. Some large willow banks on E-bank side (S).

Q ALDER (*if appropriate*)

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with TE models for plant species and fauna — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7028

Mid-site grid reference of network site if different from designated location:

Grid Reference: 753172 River:

Date 9.5./1996 Time: 6 p.m. Surveyor name kathleen Accreditation code. PF36

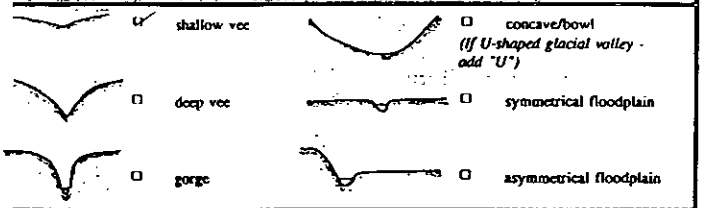
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use *||||*) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional force										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate '	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape										
Flow type '	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional force										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	VP	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)*	S	U	C	C	C	U	U	S	S	S
LEFT BANK FACE *(structure)*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)*	S	S	S	S	S	S	S	B	S	S
RIGHT BANK-TOP *(structure within 1m)*	U	U	S	U	U	S	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(tick one box per column)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				✓		✓		✓		
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious								✓		
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓	✓							
Filamentous algae									✓	✓

SITE NO. 7028 — 1996 RIVER HABITAT SURVEY: CODES FOR DOMINANCE — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (TICK IF PRESENT)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	☑	☑
Orchard *(OR)*			Tilled land *(TL)*	☑	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
"all herbs" weed vegetation (TH)			Suburban/urban development *(SU)*	✓	✓

I BANK MATERIAL

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	☑	☑
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature inbed(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

icate predominant flow sequence (*select up to three features*): GLIDE.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	6·0	RIGHT BANK	
Bankfull height (m)	2.5	Water width (m)	2·5	Bankfull height (m)	2.5
Embanked height (m)		Water depth (m)	0·4	*Embanked height (m)*	

If trampling lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: — consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL STRUCTURES

None ☐ Number of Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q RIVERSIDE TREES AND STANDS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OVERALL RIVER CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RUNS UNDER RAILWAY AT ~MIDPOINT - CULVERTED IN LARGE CORRUGATED METAL TUBE. OTHERWISE, A FAIRLY ROUGH-CUT CHANNEL WITH FEW FEATURES.

S RIVERSIDE LAND USE

- Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and riparian work

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7029

Mid-site grid reference of network site if different from designated location:

Grid Reference: 854110 River:

Date 8/5/1996 Time: 9.30 a.m. Surveyor name Ian Hannah Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES/POOLS/POINT BARS *(indicate total number)*

Riffles 19 Unvegetated point bars 4

Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use flat) for · Riffles //// /// /// /// Pools // Unveg. point bars 4 Veg point bars 1

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5 m wide transect)* ' = one entry only

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional trees	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *WV,BE,BO,CO,GB,SA,PE,CL,CC,SP,WP,GA,BM,RR,RW*	CL	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	NO	NO	NO	NO	SC	NO	NO
CHANNEL *(at wetted edge)*										
Channel substrate ' *WV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	GP	GP	CO	CO	GP	GP	GP	GP	SI
Substrate shape *FL,ON,EL,SP,CU,PO,IR, Others - note*										
Flow type ' *FF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	SM	RP	RP	RP	RP	RP	RP	RP	BW	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	VB	RO	NO
RIGHT BANK TICK if fractional trees	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *WV,BE,BO,CO,GB,SA,PE,CL,CC,SP,WP,GA,BM,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	PC	PC	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	SC	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	SC	SC	SC	BL	BL	IG	SC	IG
LEFT BANK TOP *(structure within 1m) BU/SC*	S	S	B	B	S	S	S	S	S	C
LEFT BANK FACE *(structure) BU/SC*	B	B	U	B	S	U	B	C	S	C
RIGHT BANK FACE *(structure) BU/SC*	B	S	B	U	U	B	U	C	S	S
RIGHT BANK TOP *(structure within 1m) BU/SC*	S	C	S	S	S	S	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	SC	IG	BL	BL	IG	SC	SC	IG

G CHANNEL VEGETATION TYPES *(in the wetted channel & 2 x 1m bands on the banks)*

NONE / PLANT GENERA - list first 5	✓	✓				✓			
Bryophytes/lichens			✓	✓	✓	✓		✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious								/		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7029

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND MORPHOLOGY

H CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	1.0	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	0.6	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

I LAND USE WITHIN 50m OF SURVEY

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	E	E	Open water *(OW)*		
Tall herbs' rank vegetation *(TH)*			Suburban/urban development *(SU)*		

J BANK SIDES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

K ADJACENT TO CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

L CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE-RUN-(GLIDE)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MORPHOLOGY

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF RECENT INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = Cattle poaching

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

S LADDERS *(tick appropriate box)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (from 1995 model for Great Britain and Ireland) SHEET 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7030

Mid-site grid reference of network site if different from designated location:

Grid Reference: 913194 River: HAMBROOK

Date 8/5/1996 Time: 11.20 am. Surveyor name Lou Hovis Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

A NUMBER OF RIFFLES, POOLS AND UNVEGETATED POINT BARS *(estimate total channel length)*

Riffles	3	Unvegetated point bars	1
Pools	2	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY ITEM SPOT CHECKS SHEET 2 of 4

TALLY (use DH) for - Riffles 14 Pools # Unveg. point bars / Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel profile at 1 m wide transect)*

Spot check 1 m: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *(BE,BO,CO,CB,SA,PE,CL,CC,SP,OP,GA,BR,ZB,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *(NE,NO,RS,RI,FC,BM,EN)*	RS	RS	RS	RS	NO	RS	RS	RS	RS	RS	
Bank feature(s) *(NV,NO,EC,BC,PB,VP,SB,VS)*	NO	NO	NO	NO	EC	EC	NO	NO	NO	NO	
CHANNEL											
Channel substrate *(BE,BO,CO,CF,SA,GI,CL,PE,AR)*	SI	GP	SI	CL	CL	CL	CL	CL	CL	CL	
Substrate shape *(FL,DY,EL,SP,CU,FO,EL, Others - state)*											
Flow type *(FF,GN,RW,UW,CF,BP,UP,SM,RP,NO)*	SM	RP	RP	SM	RP	SM	RP	SM	SM	SM	
Channel modification(s) *(NE,NO,CV,RS,RI,DA,EO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) *(NV,NO,BO,RA,VB,NV,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *(BE,BO,CO,CB,SA,PE,CL,CC,SP,OP,GA,BR,ZB,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *(NE,NO,RS,RI,FC,BM,EN)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	
Bank feature(s) *(NV,NO,EC,BC,PB,VP,SB,VS)*	NO	NO	SB	NO	NO	NO	SB	NO	SC	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	S	S	U	C	C	C	S	C
LEFT BANK FACE *(structure)* B/U/S/C	C	B	S	S	B	B	S	C	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	B	S	S	B	S	C	B	C
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	S	S	C	C	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(% cover estimated for each 10m section)*

NONE / PLANT GENERA - list first 5	✓	✓	✓					✓		✓	E
Bryophytes/lichens							✓				/
Emerg broad-leaved herbs				/		✓					/
Emerg reeds/sedges/rushes											/
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae					✓				✓		✓

SITE NO. 7030 1996 RIVER HABITAT SURVEY SHEET 3 of 4

H DOMINANT ADJACENT LAND USE

	L	R		L	R
oleaf/mixed woodland (BL)			Rough pasture (RP)		
iferous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)	E	
riland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
b (SC)			Open water (OW)		
herbs* rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
ural/unmodified			Artificial/modified		
ical/undercut	✓		Recectioned	E	E
ical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
le			Reinforced - toe only		
ponies			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

J DOMINANT BANKSIDE VEGETATION FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	5		None	Present	5 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Date predominant flow sequence *(select up to three features)*: RUN - GLIDE

L CHANNEL DIMENSIONS AND GRADIENT

LEFT BANK		Bankop width (m)	1.75	RIGHT BANK	
Bankop height (m)	0.75	Water width (m)	0.75	Bankop height (m)	0.5
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(indicate number)*

None ☑ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? Stone .....

O VEGETATION OBSTRUCTIONS *(estimate % of channel width)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) ..
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q DOMINANT BANKSIDE PLANT SPECIES

None ☐ Giant Hogweed ☑ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OTHER OBSERVATIONS

Major impacts: land-fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Large badger sett for area of cattle/humans on L bank
Rabbits something similar a sheep for all 500 m
Very overgrown in places - access difficult in some points

S ALDERS *(Alnus glutinosa)*

Alder? None ☐ Present ☐ Extensive ☐ Diseased Alder? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7032

Mid-site grid reference of network site if different from designated location:

Grid Reference: 124143 River: keach

Date 8.15.1996 Time: 3.30 pm. Surveyor name Ian Heins Accreditation code PF3.6

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	☑	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(tick/cross/total number)*

Riffles 1 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT-CHECKS

Page 2 of 6

TALLY (use JHF) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* = one entry only

Spot check 1 = upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *WW,BE,BO,CO,GF,SA,PC,CL,CC,SP,WP,GA,BR,BB,SW*	EA	EA	EA	EA	CC	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,ED*	RS	RS	RS	RS	RI	RS	RS	RS	RS	RS
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	VS	VS	NO	NO	NO	VS	VS	NO	NO	NO
CHANNEL										
Channel substrate * *WV,BE,BO,CO,GF,SA,SI,CL,PE,AR*	SI	SI	SI	SI	GP	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*										
Flow type * *FF,CH,BW,UW,CF,BF,UP,SM,NF,NO*	SM	RP	RP	SM	SM	SM	SM	SM	SM	RP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence					✓	✓	✓	✓	✓	✓
Material *WW,BE,BO,CO,GF,SA,PC,CL,CC,SP,WP,GA,BR,BB,SW*	EA	EA	EA	EA	CC	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,ED*	RS/EM	RS/EM	RS/EM	RS	RI	RS	RS	RS	RS	RS
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	SC	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* *BA/US/C*	U	U	U	U	S	U	U	U	U	U
LEFT BANK FACE *(structure)* *BA/US/C*	U	U	S	B	B	S	U	S	U	S
RIGHT BANK FACE *(structure)* *BA/US/C*	U	U	U	B	U	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* *BA/US/C*	U	U	U	U	S	U	C	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SU	SU	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(1m wide transect x 10 = 10m² per spot-check)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓	✓	✓	✓			✓	✓
Submerged broad-leaved							✓	✓		
Submerg fine/linear-leaved		✓								
Filamentous algae		✓	✓	E	✓	✓	✓	✓	✓	✓

SITE NO. 7032 1996 RIVER HABITAT SURVEY - SIDE BANK SPOT-CHECKS Page 3 of 6

H LAND USE WITHIN 50m OF BANKTOP *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs/ rank vegetation *(TH)*			Suburban/urban development *(SU)*		✓

I BANK PROFILE *(tick one box per bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J FEATURES OF THE BANK AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K FEATURES OF THE CHANNEL

	None	Present	B		None	Present	B (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☑

Indicate predominant flow sequence (*select up to three features*):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	2.5	RIGHT BANK	
Bankfull height (m)	0.5	Water width (m)	1.5	Bankfull height (m)	0.5
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M CROSSING AND ASSOCIATED STRUCTURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = 1 Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF CONSERVATION INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANT SPECIES *(GIANT HOGWEED, HIMALAYAN BALSAM, JAPANESE KNOTWEED, RHODODENDRON)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

R SUMMARY OF IMPACTS AND CONDITIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Steep grassy bank sides, with sheep access to stream from one side at least - only a little fresh dung. Still ok spot checks 4 & 5 (R-bank) still outfall just under a bridge (spot check 5) on R-bank. Dry straight silty channel - former small stream now dead. #'s 4 & 5 bit apparent both different from U/S

S ALDERS *(tick one box only)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: MAIN mode for plant genera and dominance — Sheet 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEYOR'S NOTES

Reference network site number: 7034

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 309112 River: WINDRUSH

Date 29/5/1996 Time: 10:30 Surveyor name N. GRIEVE Accreditation code: 0512

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (all sites: total number)

Riffles	1	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Mrs Feilden
The Old Manor House
Little Minster } Request RHS 94/95
leaflet

1996 RIVER HABITAT SURVEY: MAIN SPOT-CHECKS — Sheet 2 of 4

TALLY (use /// for 5) for - Riffles | Pools | Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is upstream ☐ downstream ☒

	1	2	3	4	5	6	7	8	9	10	L
LEFT BANK tick if functional feature											
Material [1] *AR,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RS,RW*	EA	S	E	E	E	E	E	E	E	E	
Bank modification(s) *MC,MO,RS,RI,PC,BM,EM*											
Bank feature(s) *AV,MO,EC,SC,PB,VP,SB,VS*											
CHANNEL tick if functional feature											
Channel substrate [1] *AR,BE,BO,CO,GP,SA,SI,CL,PE,AR*											
Substrate shape *FL,CV,EL,SP,CU,PO,IR, Others - note*											
Flow type [1] *FF,CH,RW,UW,CF,RF,UP,SM,MP,BO*											
Channel modification(s) *MC,MO,CV,RS,RI,DA,FO*											
Channel feature(s) *AV,MO,BO,MB,VB,MI,TR*											
RIGHT BANK tick if functional feature											
Material [1] *AR,BE,BO,CO,GL,SA,PE,CL,CC,SP,WP,GA,BR,RS,RW*											
Bank modification(s) *MC,MO,RS,RI,PC,BM,EM*											
Bank feature(s) *AV,MO,EC,SC,PB,VP,SB,VS*											

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP *(structure within 1m)* B/U/S/C										
LEFT BANK FACE *(structure)* B/U/S/C										
RIGHT BANK FACE *(structure)* B/U/S/C										
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C										
LAND USE WITHIN 5m OF BANK TOP (R)										

CHANNEL VEGETATION TYPES (10m x 2m)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7034 — 1996 RIVER HABITAT SURVEY: MAIN — Sheet 3 of 4

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

	L	R		L	R
...nified woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
...iferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
...rland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	✓
...ds *(SC)*			Open water *(OW)*		
herbs/ rank vegetation *(TH)*	✓	✓	Suburban/urban development *(SU)*		

BANK AND BANKTOP FEATURES

	L	R		L	R
...ural/unmodified			Artificial/modified		
...ical/undercut	E	E	Revetment	✓	✓
...ical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
...ic			Reinforced - toe only		✓
...posite			Artificial two-stage		
			Poached		
			Embanked	E	
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☐
Cascades(s)	☐	☒	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☐	☒	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☐	☒	☐
Boil(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Site predominant flow sequence *(select up to three features)*: GLIDE (incl. UP)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Sheet 4 of 4

CHANNEL DIMENSIONS (to be assessed at one point on riffle/run, or glide/pool)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.1	Banktop width (m)	9.6	Banktop height (m)	
Embanked height (m)		Water width (m)	6.5	*Embanked height (m)*	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = ... width (m) = ...

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = | Weirs = | Outfalls = | Fords =
Footbridges = | Roadbridges = | Other =

Is water impounded by weir/dam? ... No ☒ Yes, <33% of site ☐ >33% of site ☐

RIVERSIDE MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

OTHER FEATURES OF SPECIAL INTEREST

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☒	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

OTHER RIVERSIDE/CHANNEL VEGETATION OF INTEREST

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

OVERALL ASSESSMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

SHADING

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

> Riverbank visible - Bed visible at one point on meander

RIVER HABITAT SURVEY (with lists for plant genera and species) Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7039

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 826104. River: WENDOVER BROOK

Date 17/5/1996 Time 14.20 Surveyor name(s) CRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate zero if none)*

Riffles 13 Unvegetated point bars

Pools 6 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY TEN SPOT CHECKS Sheet 2 of 4

TALLY (use JIG) for Riffles IN Pools IN Uneveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES (Spot checks)

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *	EA	EA	EA	EA	EA	EA	EA	E	E	EA
Bank modification(s)	RS	RS	RS	RS	RS	NO	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	S	R	NO
CHANNEL										
Channel substrate *	SP	SP	SP	SP	S	S	SP			
Substrate shape	OV	OV	OV	OV			OV			
Flow type *	RP	RP	UN	S			S			
Channel modification(s)	NO	NO	NO				NO			
Channel feature(s)	NO	NO	NO				NO			
RIGHT BANK TICK if fractional feature						✓	✓	✓	✓	✓
Material *	S	E	E	S	E	E	E	E		
Bank modification(s)	RS	RS	RS	S	NO	RS	NO			
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO			

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(Use zero if none)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	TL	TH	TL	SC	TL			
LEFT BANK-TOP *(structure within 1m)*	U	S	U	U	U		U			
LEFT BANK FACE *(structure)*	U	S	U	S		C				
RIGHT BANK FACE *(structure)*	U	S	S	S	U	U				
RIGHT BANK-TOP *(structure within 1m)*	S	S	C	U	U	U	U			
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	BL	TL	TL	TH	TL			

G CHANNEL VEGETATION TYPES *(Use zero if none)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓	✓		✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	✓									✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	✓	✓	✓	✓		✓		✓	✓

SITE NO. 7039 — RIVER HABITAT SURVEY SCORES Sheet 3 of 4

H LAND USE WITHIN 50m OF TOP OF BANK (%)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	E	✓

I BANK PROFILE AND BANK MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	✓
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	☐	✓	☐	Exposed bedrock (CLAY)	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence (*select up to three features*): RIFFLE - GLIDE - RUN

RIVER HABITAT SURVEY DIMENSIONS AND OBSERVATIONS Sheet 4 of 4

L CHANNEL DIMENSIONS *(to nearest 0.1m)*

LEFT BANK		Banktop width (a)	4.0	RIGHT BANK	
Banktop height (m)	1.75	Water width (a)	1.7	Banktop height (m)	1.4
Embanked height (m)	/	Water depth (m)	0.05	*Embanked height (m)*	/

If waterline lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 2.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M SIZE OF FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 Other =
Is water impounded by weirdam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N RECENT MANAGEMENT ACTIVITY

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State .....

O ADJACENT LAND USE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? Nettle, Rhododendron bushes

R OVERALL ASSESSMENT

Major Impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Leakage from dung heap! (Enrichment?) > Fenced cattle drink.

S ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) - collection of field, general and location data

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DATA

Reference network site number: 7040

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 987187 River: UN-NAMED Trib 62. OLVEL

Date 28/5/1996 Time 12:00 Surveyor name N. GREVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND CONTROLS *(without fall/rise)*

Riffles 8 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (RHS) SPOT CHECKS Page 2 of 4

FALLY (use DH) for - Riffles Pools Usercg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)*

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NO	NO	NO	NO	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	FL	FL	FL	FL	CV	FL	FL	FL	FL	FL
Flow type	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

C BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from IA, CP, OR, AH, SC, IN, RP, HG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	IN				IN			
LEFT BANK-TOP *(structure within 1m)*										
LEFT BANK FACE *(structure)*										
RIGHT BANK FACE *(structure)*										
RIGHT BANK-TOP *(structure within 1m)*										
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	IN				IN			

D PLANT SPECIES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

E NO. 7040 1996 RIVER HABITAT SURVEY (RHS) SPOT CHECKS Page 3 of 4

E BANK AND WATERSIDE SECTION *(within 50 m of spot-check)*

	L	R		L	R
...ed/mixed woodland (BL)			Rough pasture (RP)		
...rous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
...k (SC)			Open water (OW)		
herbs' bank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
...ural/unmodified			Artificial/modified		
...ked/undercut			Revetmented		
...ail + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
...ble			Reinforced - toe only		
...ondo			Artificial two-stage		
			Poached		
			Eroding/unstable		
			Set-back embankments		

F WATERCOURSE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

G WATERCOURSE AND ASSOCIATED FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☐	☐	☒	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☐	☐	☒	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Poo(s)	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

...ate predominant flow sequence *(select up to three features)*: RUN, RIFFLE, GLIDE.

1996 RIVER HABITAT SURVEY DIMENSIONS AND LINE DRAWINGS Page 4 of 4

DIMENSIONS

LEFT BANK			RIGHT BANK
Banktop width (m)	5.8	Banktop width (m)	
Banktop height (m)	1.75	Water width (m)	1.8
Embanked height (m)	/	Water depth (m)	0.12
			Embanked height (m) /

If waterline lower than banktop break in steps, indicate: height (m) = 0.4 width(m) = 3.2

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

H WATERCOURSE MODIFICATIONS

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

I WATERCOURSE MANAGEMENT

None ☐ Dredging ☒ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State some in-stream cleavage

J PLANT SPECIES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☒ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

K PLANT SPECIES

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

L PLANT SPECIES

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Native Rhododendron bushes

M PLANT SPECIES

Major impacts: bank(ll) - dipping - ditch - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: grazing - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Clear, chalk stream channel

N PLANT SPECIES

Adders? None ☒ Present ☐ Extensive ☐ Discussed Adders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant species and cover Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7041

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 077152 River: VER.

Date 16/5/1996 Time 11.45 Surveyor name(s) GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(additional information)*

Riffles 4 Unvegetated point bars

Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 5bf) for Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = occ. entry only

Spot check (1 at upstream ↓ downstream ↑)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *(HV,BE,BO,CO,CS,TA,PE,CL,CC,SP,WP,GA,BR,RR,RW)*	EA	EA	EA	EA	ES	EA	ES	ES	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,RW,FE,OM)*	RS	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC	RS	RS	RS/RC	RS
Bank feature(s) *(HV,NO,EC,SC,PB,VP,SB,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if fractional fence										
Channel substrate * *(HV,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape *(FL,OV,EL,SP,CU,TO,BL,Others - note)*	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type * *(FF,CH,BW,UW,CF,RP,SW,SM,WP,NO)*	SM	SU	UW	SM	SM	SU	SU	SU	RP	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(HV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *(HV,BE,BO,CO,GR,SA,PE,CL,CC,SP,WP,GA,BR,RR,RW)*	EA	ES	EA	ES	EA	EA			ES	EA
Bank modification(s) *(NE,NO,RS,RI,PC,RW,FE,OM)*	RS	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC	RS/RC
Bank feature(s) *(HV,NO,EC,SC,PB,VP,SB,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CF, OR, MH, SC, TH, RP, IG, IU, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BA/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IG	IG	IG	IG	IG	IG	IG	IG	IG

G MACROPHYTE AND BANKSIDE VEGETATION *(Aquatic plants in channel; Bankside plants on bank (grassed) 500m)*

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs	Apium									
Emerg reeds/sedges/rushes	Phalaris	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating	Lemna				✓					✓
Amphibious	Nasturtium				✓				✓	✓
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7041 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H SPOT CHECK FEATURES (1 at upstream ↓ downstream ↑)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*	E	E
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	✓	✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs - exot vegetation (TH)			Suburban/urban development *(SU)*		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	E	E
			Poached		
			Embanked		
			Set-back embankments		

I SPOT CHECK FEATURES (1 at upstream ↓ downstream ↑) cont.

TREES *(tick one box per bank)*

	Left	Right
None	☒	☒
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☒	☐	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

J SPOT CHECK FEATURES (1 at upstream ↓ downstream ↑) cont.

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (*select up to three features*): LONG RIFFLE/GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

K CHANNEL DIMENSIONS *(Use a straight reach of channel, preferably at a riffle)*

LEFT BANK		Banktop width (m)	4.8	RIGHT BANK	
Banktop height (m)	0.75	Water width (m)	1.45	Banktop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.07	Embanked height (m)	/

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

L VALLEY CHARACTERISTICS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

M RIVER CORRIDOR MANAGEMENT *(last 5 years)*

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

N RIVER CORRIDOR SURVEY *(within 50m of channel)*

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O AQUATIC VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

P BANKSIDE VEGETATION *(within 50m of channel)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

Q OTHER CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - broadleaf - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RS small channel. Straight (predominantly) GP = Swift flow.

R WOODY DEBRIS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE mods (or plant genera and percentages) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7043

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 227167 River: MIMRAM

Date: 15/5/1996 Time: 16.45 Surveyor name: N GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

NB IFE single photograph: general character? No ☒ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

C NUMBER OF RIFFLES, POOLS AND POINT BARS *(Indicate total number)*

Riffles |	Unvegetated point bars \
Pools \	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Camera jam, no photo.

1996 RIVER HABITAT SURVEY: THIN SPOT CHECKS Page 2 of 4

TALLY (use JHH for Riffles | Pools \ Unveg. side bars Veg. point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m upstream ☐ downstream ☒

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sectional)										
Material *MM,BE,BO,CO,CS,FA,PE,CL,CC,SI,SN,GA,BR,ES,AR*	CC	CC	CC	BR	BR	BR	EA	CC	EA	EA
Bank modification(s) *NE,MO,RS,RI,FC,BM,EM*	RI	RI	RI	RI	RI	RI	JO	RI	NO	NO
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	JO	JO	JO	NO
CHANNEL *SPOT CHECK*										
Channel substrate ' *MV,BE,BO,CO,CP,SA,SI,CL,PE,AR*	SI	SI	SI	SD	SD	SD	SI	SI	SI	SI
Substrate shape *FL,UN,EL,SP,CU,PO,BL, Others - note*	/	/	/	OV	OV	OV	/	/	/	/
Flow type ' *FF,CH,BW,UW,CF,RP,UP,BM,MP,NO*	SM	SM	SM	RP	RP	SM	SM	/	SM	SM
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	JO	/	NO	NO
Channel feature(s) *MV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	JC	JC	JC	JO	/	JO	NO
RIGHT BANK TICK if (sectional)										
Material *MM,BE,BO,CO,CS,FA,PE,CL,CC,SI,SN,GA,BR,BE,AR*	EA	EA	CC	JC	BR	WO	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RI	RI	RI	RI	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	/	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use - choose one from BL, CP, OR, MH, SC, TH, RF, HC, FI, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP *(structure within 1m)* BU/SC	U	B	S	U	S	S	B	B	B	B
LEFT BANK FACE *(structure)* BU/SC	U	S	U	U	U	S	S	B	S	S
RIGHT BANK FACE *(structure)* BU/SC	S	U	B	B	B	U	S	S	S	S
RIGHT BANK TOP *(structure within 1m)* BU/SC	U	S	U	U	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	SU	SU	SU	SU	SC	SC	TU	TH

G CHANNEL VEGETATION *(Indicate percentage cover in each section)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Apium Sp									
Emerg reeds/sedges/rushes	Typha, Sparg									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7043 1996 RIVER HABITAT SURVEY: SITE DETAILS Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)	✓	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' rank vegetation (TH)		✓	Suburban/urban development (SU)	✓	✓

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓		Recectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle		✓	Reinforced - toe only	✓	✓
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J FEATURES OF BANK AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES AND FLOW TYPES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☐	☒	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DEPTHS Page 4 of 4

L CHANNEL DIMENSIONS *(measured at one site on each visit, from locations previously established)*

LEFT BANK		Banktop width (m)	3.5	RIGHT BANK	
Banktop height (m)	0.2	Water width (m)	2.8	Banktop height (m)	0.8
Embanked height (m)	/	Water depth (m)	0.08	*Embanked height (m)*	/

If trashline lower than banktop break in slope, indicate: height (m) = 0.15 width(m) = 2.8

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 50m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = 6 Roadbridges = 1 Other = sewage, stream

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N SOURCES OF RECENT MANAGEMENT *(within 50m of site)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O WATERS DRAINED AND INTERESTING FEATURES *(within 500m of site)*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(within 50m of site)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q BANKSIDE VEGETATION *(within 50m of site)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle, Rhododendron bushes)

R OTHER FEATURES *(within 500m of site)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (road) - rail - industry - (houses) - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land (parkland) MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations Clear stream, but with abundant silt substr
Many gardens along survey reach. Also main Road

S NOTES

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE Guide for plant genera and glacial valleys — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7047

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 695153 River: CHELMER

Date: 18/6/1996 Time: 13:30 Surveyor name: N GRIEVE Accreditation code: PS 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles \ Unvegetated point bars \

Pools \ Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 2 of 4

TALLY (use Jiff) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 is: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional feature*										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SI,WP,CA,AR,BA,RW)*	EA	EA	EA	EA	EA	EA	EA	EA	WP	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	NO	NO	NO	NO	NO	NO	RS	RI	RI
Bank feature(s) *(NV,NO,EC,SC,PB,WP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *(BE,BO,CO,GF,SA,SI,CL,PE,AR)*	SI	SI	SI	SI	SI	SI	SI	SI	GP	SI
Substrate shape *(FL,OV,EL,SP,CU,FO,IR, Others - note)*	NA	NA	NA	NA	NA	NA	NA	NA	IR	NA
Flow type *(FF,CH,BW,UW,CF,RF,UP,SM,WP,NO)*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	RS	RS
Channel feature(s) *(NV,NO,BO,MB,VB,MT,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional feature*										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SI,WP,CA,AR,BA,RW)*	SI	EA	EA	[illegible]	SI	EA	EA	SI	EA	WP
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	RS	[illegible]	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,EC,SC,PB,WP,SB,VS)*	NO	NO	[illegible]	NO	[illegible]	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	IG	IG	IG	IG	IG	IG	SU	SU
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	C	C	C	U	C	S	C	C	B	U
RIGHT BANK FACE *(structure)* BA/US/C	C	S	S	U	C	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	IG	TH	IG	IG	SU	SU	SU	SU

G PLANT SPECIES LISTS *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Ep-blo...									
Emerg reeds/sedges/rushes	Sparg... Sc-lac...	✓			✓	✓		✓	✓		✓
Floating-leaved (rooted)	Unidar	✓			✓			✓			
Free-floating				F	F	✓	✓	✓			F
Amphibious	Myrioph...	✓									✓
Submerged broad-leaved	Unidar		F		✓			✓	✓	✓	✓
Submerg fine/linear-leaved	Potamogeton...										✓
Filamentous algae				✓		✓		✓		E	✓

SITE NO. 7047 — 1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	F	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	✓
Orchard *(OR)*			Tilled land *(TL)*		E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* and vegetation (TH)		E	Suburban/urban development *(SU)* (HALL = CACB EA)	✓	E

I BANK PROFILE *(tick one box per bank)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	✓	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E		Reinforced - top only		✓
Gentle			Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J RIPARIAN TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐
Cascades(s) (RAPIDS)	☐	☒	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☒	☐	☐
Run(s)	☒	☐	☐
Boil(s)	☒	☐	☐
Glide(s)	☐	☒	☐
Pool(s)	☒	☐	☐

	None	Present	E (≥ 33%)
Mid-channel deadwater	☐	☐	☒
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid channel bar(s)	☒	☐	☐
Vegetated mid channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☒	☐	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK (ND)

1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK				RIGHT BANK
Bankfull width (m)		Bankfull width (m)	10.0	
Bankfull height (m)	1.4	Water width (m)	6.25	Bankfull height (m) 1.4
Embanked height (m)	\	Water depth (m)	0.5	*Embanked height (m)* \

If trashline lower than bankfull break in slope, indicate: height (m) = 1.0 width(m) = 8.75

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M CONTROLLING FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☒ Weed-cutting ☐
Enhancement ☐ Other ? State: PATH through TH/SL on RHB

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Shaded/side channels ☒ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nestle Rhododendron bracken)

R OTHER ACTIVITIES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction (mill) dam - road - rail - industry - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Tree planting + Garden (mostly)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Slow flowing channel. MILL @ D/S SW. Crowfoot > RHB - Influenced by Garden - management. (ie worn paths) splendens

S ALDER?

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1995 RIVER HABITAT SURVEY: survey sheet for plant species and environment

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7048

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 724166 River: TER.

Date 18/6/1996 Time: 11:00.. Surveyor name: N. GRIEVE Accreditation code: PG 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(within 500m of survey)*

Riffles 9 Unvegetated point bars

Pools 3 Vegetated point bars

› *COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO*
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: SURVEY CHECKS

TALLY (one dot) for - Riffle | Pool | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES *(tick one box per transect)*

Spot check 1 m: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10	
B. PLANT SPECIES CHECK											
Material	EA	SA	EA	EA	EA	SA	EA	FA	SA	EA	
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NS	NS	NS	
C. CHANNEL VEGETATION											
Channel substrate	SP	CP	CP	CP	CP	CP	CP	CP	GP	CP	(S)
Substrate shape	OV	IR	NV	OV	OV	NV	IR	OV	OV	IR	
Flow type	RP	SM	SM	SM	RP	SM	UN	LM	SM	UM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK ... TICK if (reinforced feature)											
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	RS	RS	RS	NO	RS	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	EC	NO	
F. BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*											
Land use: choose one from BL, CP, OR, WH, SC, TH, RT, RO, TL, WL, OW, SU											
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	T	TL	T	T	TH	
LEFT BANK-TOP *(structure within 1m)* BANK	B	B	S	B	B	U	S	S	U	C	
LEFT BANK FACE *(structure)* BANK	S	S	S	S	S	S	S	C	S	C	
RIGHT BANK FACE *(structure)* BANK	C	C	C	C	S	C	S	S	U	S	
RIGHT BANK-TOP *(structure within 1m)* BANK	S	C	C	C	S	S	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	TH	SC	SC	TH	TH	TH	TL	T	T	TL	
G. CHANNEL VEGETATION *(tick one box per transect)*											
NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											✓
Emerg broad leaved herbs	✓	✓	✓		✓	✓	✓	✓	E	✓	✓
Emerg reeds/sedges/rushes	✓			✓	✓		✓	✓	✓	✓	✓
Floating leaved (rooted)											
Free-floating											
Amphibious											✓
Submerged broad leaved											✓
Submerg fine/linear leaved											
Filamentous algae	✓	✓	✓	✓	✓	E	E	S	E	E	E

SITE NO. 7048

B. LAND USE (within 50m of bankside)

	L	R		L	R
Orchard/mixed woodland (BL)			Rough pasture (RP)		
Obvious plantation (CP)			Improved/semi-improved grass (IG)		
Lowland (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Arable (SC)	–		Open water (OW)		
Arable/ rank vegetation (TH)		E	Suburban/urban development (SU)		

C. BANK AND SHORE MATERIALS

Natural/unmodified	L	R	Artificial/modified	L	R
cliff/undercut			Revetment	E	E
cliff + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
other			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankment		

NOTE TH (rank) mostly refers to unmanaged tall grasses - Tussock Thistles etc (SA?)
(some also has new BL plantation)

D. PERCENT OF RIPARIAN/ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒ (rare copse 4% wide)
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒ (Top 1/3)
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

E. PERCENT OF INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s) (rare)	☐	☒	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Poo(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Is predominant flow sequence *(select up to three features)*: GLIDE - RIFFLE

1995 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.25	Banktop width (m)	6.0	Banktop height (m) 1.25
Embanked height (m)		Water width (m)	2.2	Embanked height (m)
		Water depth (m)	0.05	

If trapezium lower than banktop break in shape, indicate: height (m) = 0.5 width (m) = 3.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges Roadbridges = 1 Other =

Is water impounded by weirdam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

D. ARTIFICIAL/HISTORICAL FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☒	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. BANKSIDE VEGETATION (GIANT HERBS)

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Native Rhododendron ponticum

G. RIVER USE/IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying (overgrazing) - afforestation - fisheries management - silting - other? =

Land Management: set-aside buffer strip woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (dragonflies) (damselflies)

Other significant observations: RS. GP channel. Artificial lake RHB. Organic mostly uniform!

-Calopteryx splendens
-Endigonatyx
-Ischnura elegans
-Orthetrum cancellatum

H. ALDERS (Carr woodland)

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7049

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 830130 River: BLACKWATER

Date 8.5.1996 Time: 15.45 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)* (9)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT-CHECKS — Page 2 of 4

TALLY (use pencil) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is: upstream ✓ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(✓ TICK if functional fence)*										
Material ' *NV,BE,BO,CO,CS,EA,PE,CL,CC,SI,VP,GA,SH,RR,RW*	EA	BR	BR	EA	EA	BA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	RI	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	ND	ND	NO	SC	NO	NO	NO	ND	SC
CHANNEL *(Use Grid Reference and Map to assess Channel Modification)*										
Channel substrate ' *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	GP	NV	MI	SI	SI	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,BL, Others - see*				OV						
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	SM	SU	SM	RP	SM	SM	SM	SM	SM	SU
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	RS	RS	NO	ND	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,WB,VB,MI,TR*	NO	NO	DA	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material ' *NV,BE,BO,CO,CS,EA,PE,CL,CC,SI,VP,GA,SH,RR,RW*	EA	BR	BR	EA	EA	SA	SA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	RI	RI	NO	RS	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	ND	NO	SC	ND	SC	SC	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SM	TH	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BR/SC	S	U	B	S	S	U	S	U	U	U
LEFT BANK FACE *(structure)* BR/SC	B	S	B	U	S	S	U	U	S	S
RIGHT BANK FACE *(structure)* BR/SC	U	U	B	U	S	U	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BR/SC	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	TH	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION COVER *(% within 1m wide transect) NP = not present; 500m upstream*

NONE / PLANT GENERA - list first 5	✓										✓
Bryophytes/lichens		✓	✓				✓				✓
Emerg broad-leaved herbs				✓			✓				✓
Emerg reeds/sedges/rushes				✓	✓					✓	✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved									✓		✓
Submerg fine/linear-leaved											
Filamentous algae					✓	✓		✓		✓	✓

SITE NO. 7049 — 1996 RIVER HABITAT SURVEY: SITE PHOTOGRAPHS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	—	—	Open water *(OW)*		
Tall herbs' *rank vegetation (TH)*	✓		Suburban/urban development *(SU)*	✓	✓

I BANK TOPOGRAPHY

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	✓	✓ MOSTLY
Occasional clumps	☐	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K WATER COLUMN AND AQUATIC FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s) *SMALL*	☐	✓	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bed(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at a representative section preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	12.0	Banktop height (m)	0.8
Embanked height (m)	/	Water width (m)	11.0	*Embanked height (m)*	/
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam (m.u.s.) No ☐ Yes, <33% of site ✓ >33% of site ☐

N EVIDENCE OF RECENT ANTHROPOGENIC ACTIVITY

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF EROSION AND DEPOSITION

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
M.U.L. Braided/side channels ✓ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE PLANT SPECIES *(Use DAFOR scale)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Note Rhododendron bracken)

R OVERALL RIVER CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GOLF COURSE both Banks.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Mill section more varied with side channel, large pool & faster main channel

S WOODY BANK VEGETATION

Alders? None ☐ Present ☐ Extensive ✓ Diseased Alders? None ✓ Present ☐ Extensive ☐

Mrs Bishop (NB) Requests info about this site & the survey
Bishop Mills
Witham - Elm CA83LH.

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7050

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 908 154 River: LAYER BROOK

Date 9 / 5 /1996 Time 09 : 10 Surveyor name N GRIEVE Accreditation code PE12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (10)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 10 Unvegetated point bars

Pools 5 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ¹ = one entry only

Spot check 1 is upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (un)natural fence										
Material ¹ *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,RR,RB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RS	NO	RS	RS	RS/EM	RS/EM	RS/EM	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW substrate/shape codes *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR* *IR,OV,EL,SP,CU,PO,IB, Others - note*										
Channel substrate ¹ *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	GP	SA	SI	SI	GP	GP	GP	SI
Substrate shape *IR,OV,EL,SP,CU,PO,IB, Others - note*	IR	OV	OV	-	-	-	IR	OV	OV	-
Flow type ¹ *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	SM	SM	SM	RP	SM	SM	SM	RP	RP	NO
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MR,VB,SH,TR*	NO	NO	TR	TR	NO	TR	UP	NO	NO	NO
RIGHT BANK TICK if (un)natural fence										
Material ¹ *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,RR,RB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	RS	RS	RS	RS	RS	NO	RS	NO	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	EC	NO	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	BL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	T	B	B	B	S	U	U	U	B
LEFT BANK FACE *(structure)* B/U/S/C	S	U	S	S	U	U	S	C	C	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	S	C	U	B	B	U	B	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	S	U	C	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(One side transect, 3 x 2m (33% area) or tick (present) 500m 'catch-all')*

NONE / PLANT GENERA - list first 5					✓	✓				✓
Bryophytes/lichens		✓								✓
Emerg broad-leaved herbs	✓		✓				✓			✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	✓	✓	✓		✓	E	S	✓	E

SITE NO. 7050 1996 RIVER HABITAT SURVEY 500m SWEEP UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (if >25% of one type)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	✓	✓

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Sloop (>45°)	✓	✓	Reinforced - top only		
Stable			Reinforced - toe only		
Composite			Artificial two-stage	E	
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K OCCURRENCE OF MESOHABITATS

	None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐
Cascades(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☒	☐
Bowl(s)	☒	☐	☐
Glide(s)	☐	☐	☒
Pool(s)	☐	☒	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - POOL - GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site - preferably at least a riffle)*

LEFT BANK		Bankop width (m)	6.0	RIGHT BANK	
Bankop height (m)	1.65	Water width (m)	1.60	Bankop height (m)	1.65
Embanked height (m)		Water depth (m)	0.02	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 3.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(indicate if 1-2 x 1-2m patch, or 10-20m stretch)* IFE use LARGE STANDS Codes

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping (litter) - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Headwater stream, mostly GD

S ALDERS *(tick appropriate box(es))*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fences — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7051

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 074198 River: COLNE (Trib of (unnamed))

Date 7.1.5/1996 Time: 11.35 Surveyor name N. GRIEVE Accreditation code PF.12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (3)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of

TALLY (use 1/11) for - Riffles | Pools || Unveg side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ! = one carry only

Spot check 1 is upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material ! *BY,BE,BO,CO,GS,EA,PE,CI,CC,SP,WP,GA,BR,BB,BW*	EA	SA	EA	SI	EA	CA	SA	EA	EA	EA
Bank modification(s) *NE,MI,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RS	RS	RS	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	SC	NO	NO	NO	NO	NO	NO
CHANNEL ANEW substrate shape codes	LFlat OVoid ELevated RPeaked CShort CRounded IIrregular (Other)									
Channel substrate ! *BY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SA	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - use*										
Flow type ! *FF,CH,BW,UW,CS,RP,UP,SM,MP,NO*	SM	SM	SM	SM	NO	NO	NO	NO	NO	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,MI,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *BY,BE,BO,CO,GS,EA,PE,CI,CC,SP,WP,GA,BR,BB,BW*	SA	EA	EA	SA	EA	SA	EA	EA	SA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RS	RS	RS	RS	RS	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IT, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	EA	SC	SC	TH	TH	TH	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	E	C	S	S	U	C	U	S
LEFT BANK FACE *(structure)* B/U/S/C	S	B	U	C	S	S	S	C	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	U	U	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	C	S	U	S	C	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	BL	BL	EA	RP	RP	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES *(Occurrence: Present = P, 2-33% area = C, >33% area = D, tick (present), 500m continuous stretch = 5)*

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens	✓	✓	✓								✓
Emerg broad-leaved herbs		✓		✓	E	E	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes				✓	E	E	E	E	E	E	E
Floating-leaved (rooted)											
Free-floating											
Amphibious					✓	✓				✓	✓
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae					✓	✓	✓	✓	✓		✓

SITE NO. 7051

1996 RIVER HABITAT SURVEY CHANNEL SURVEY SHEET 3 of 4

H BANK AND BANKTOP SUBSTRATE *(% of bank)*

	L	R		L	R
Bedrock *(BR)*			Boulder/cobble *(BO)*		
Cliff *(CF)*			Gravel/pebble *(GravPeb)*		
Sand *(SA)*			Silt/clay *(SiCl)*		
Peat *(PE)*			Artificial *(AR)*		

I BANK AND BANKTOP VEGETATION *(% of bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*	✓	✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	
Scrub *(SC)*	✓	✓	Open water *(OW)*	✓	
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*		

J BANK SIDE CHARACTER *(% of bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

K EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑ TOP ½ WOODS, more open LOWER ½
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☑
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☐	☑

L CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY CHANNEL DIMENSIONS AND INFLUENCES — Page 4 of 4

M CHANNEL DIMENSIONS *(to be measured at the site on a straight reach of channel, perpendicular across the flow)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.3	Banktop width (m)	1.75	Banktop height (m)	0.3
Embanked height (m)		Water width (m)	1.2	*Embanked height (m)*	
		Water depth (m)	0.03		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

N ARTIFICIAL FEATURES *(Enter number of occurrences in appropriate box)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

O EVIDENCE OF RIVER MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

P FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☑ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

Q CHOKED CHANNEL *(tick appropriate box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

R NOTABLE PLANT SPECIES *(Indicate if: P = present, A = abundant, D = dominant)* NB for LARGE STANDS see p.2

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? (Nettle, Rhododendron bracken)

S OVERALL CHANNEL NATURALNESS *(tick appropriate box)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: top ½ of site = woodland
lower ½ ... open

T ALDER *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7052

Mid-site grid reference of network site if different from designated location:

Grid Reference: TM 151176 River: LIN - JAMES TRIB. (PICKER'S DITCH)

Date 6/5/1996 Time: 17.00 Surveyor name N: GB EME Accreditation code: DF12

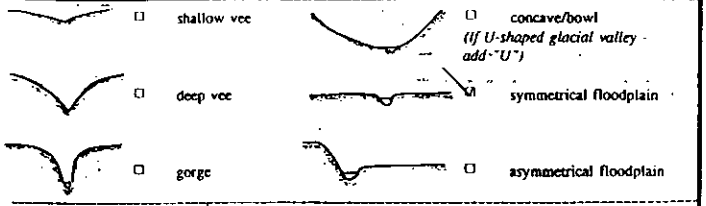
Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* 2
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS

TALLY (use JHT) for - Riffles Pools Unveg side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* 1 = one entry only

Spot check 1 is upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL TICK if functional fence										
Channel substrate *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	/			/		/	/	/
Flow type *FF,CH,BW,UW,CF,RP,UP,SH,NP,NO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RS	RS	RS	RS	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	SC	SC	NO

I BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	BL	BL	BL	BL	BL	SC	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	U	U	U	S	S	C
LEFT BANK FACE *(structure)* B/U/S/C	B	U	B	B	B	B	U	U	C	U
RIGHT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	C	C	S	U	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	BL	BL	BL	BL	BL	BL	BL	BL

J CHANNEL VEGETATION TYPES *(10m wide transect - 5% - 33% cover) tick (present) 50% (abundant)*

	1	2	3	4	5	6	7	8	9	10	
NONE / PLANT GENERA - list first 5	✓	✓			✓	✓					E
Bryophytes/lichens								✓	✓	✓	✓
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad leaved											
Submerg fine/linear-leaved											
Filamentous algae			V	E			E				✓

K LAND USE WITHIN 50m OF BANKTOP *(5% - 33% cover) (all present)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	✓	✓
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*		

L BANK AND BASE MATERIALS *(5% - 33% cover) (all present)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	E	Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Sloping (>45°)	✓	✓	Reinforced - top only		
Rattle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

M EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☐	☒

N IN-CHANNEL FEATURES *(5% - 33% cover) (all present)*

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: MOSTLY DRY !!

O CHANNEL DIMENSIONS *(20m reach at one site or 10m reach at uniform sections, perpendicular across a riffle)*

LEFT BANK		Bankfull width (m)	0.8	RIGHT BANK	
Bankfull height (m)	0.5	Water width (m)	0.8	Bankfull height (m)	0.5
Embanked height (m)		Water depth (m)	NIL	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐ DRY (SILT)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)* DRY

P MAN-MADE FEATURES *(within 50m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

Q EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State RECENT RS 2. BANKS

R FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Other (state)	
Debris dams	☒	Water meadow	☐	Carr	☐
Leafy debris	☒	Fen	☐	Marsh	☐
				Flush	☐

S CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

T NOTABLE NUISANCE PLANT SPECIES *(within 50m of site) (tick) IFE note: LARGE STANDS in Others or Comments*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? BRAMBLES Nettles/Rosebay willow-herb

U OVERALL QUALITY OF SITE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Small headwater - Mostly Dry running through BL, lower reaches more natural.

V ALDERS *(tick appropriate box(es))*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with UIR mods (for plant species and ten-spot checks) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7053

Mid-site grid reference of network site if different from designated location: SM 819089 [HD confirmed]

X Grid Reference: SM 807094 River: UN-NAMED.

Date: 18.7.1996 Time: 11:00 † Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	7	Unvegetated point bars	
Pools	3	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

† "Goeff I'm going home Collet" (GC).

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JIII) for - Riffles |||| Pools ||| Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel width (X) & wide (transect))*

Spot check 1 is: upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if fractional (record %)*										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	SC	NO	NO	NO	NO	NO
CHANNEL *TICK if fractional (record %)*										
Channel substrate † *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	SI	SA	SI	SI	GP	SI	GP	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	RO	RO	NA	NA	NA	NA	IR	NA	RO	NA
Flow type † *FF,CH,BW,UW,CF,RF,UP,SM,NP,NO*	UW	UW	NP	SM	NP	NP	SM	NP	SM	NP
Channel modification(s) *ME,NO,CV,RS,RI,DA,FO*	NO	NO	RS	RS	RS	RS	NO	RS	RS	RS
Channel feature(s) *NV,NO,RO,MR,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if fractional (record %)*										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, HG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	RD	RD	BL	SC	SC	SC	SC	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	S	C	C	C	C	C	C
LEFT BANK FACE *(structure)* B/U/S/C	C	C	S	C	C	C	C	C	C	C
RIGHT BANK FACE *(structure)* B/U/S/C	C	C	S	C	C	C	C	C	C	C
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	S	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	BL	BL	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES *(% cover)*

NONE / PLANT GENERA - list first 5						✓				✓
Bryophytes/lichens	✓	✓								
Emerg broad-leaved herbs *Apium Epilobium Berula*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7053 1996 RIVER HABITAT SURVEY: SUPPLEMENTARY Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(% of perimeter)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	E	Rough pasture *(RP)*	E	
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	✓		Suburban/urban development *(SU)*		✓

I BANK CONDITIONS *(% of bank)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe	E	E	Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	☐	✓

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE - SLACK.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed across channel width (X) & wide (transect))*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.2	Banktop width (m)	3.7	Banktop height (m)	1.2
Embanked height (m)		Water width (m)	1.4	*Embanked height (m)*	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = 0.9 width(m) = 2.9

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

M ANTHROPOGENIC FEATURES *(within 50m of banktop)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords = 1
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RIVER MANAGEMENT *(within 50m of banktop)*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(within 50m of banktop)*

None ☐			
Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state) .....
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ✓	Water meadow ☐	Marsh ✓	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE RIVERBANK PLANTS *(within 50m of banktop)*

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CLEANLINESS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly damselfly

Other significant observations: Very overgrown, small channel: Woodland + scrub - Some WL LHB.

S BANK SIDE TREES

Alders? None ☐ Present ☐ Extensive ✓ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7054

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 14/5/1996 Time: 0.1.00 Surveyor name [illegible] Accreditation code. P F10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	3	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use Diff) for - Riffles 111 Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 4 m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐ — one entry only ☑

	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional fence											
Material [NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW]	EA	EA	EA	EA	EA	EA	EA	GS	GS	EA	CC
Bank modification(s) [NE,MO,RS,RI,PC,BM,EM]	NO	NO	NO	NO	NO	NO	EM	EM	NO	NO	
Bank feature(s) [NV,MO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL - NEW - Subjective shape codes											
Channel substrate [NV,BE,BO,CO,GP,SA,SI,CL,PE,AR]	GP	CO	SI	SI	SI	SI	SA	SA	GP	SI	
Substrate shape [FL,OV,EL,SP,CU,PO,IR, Others - use]	IR	IR	NO	NO	NO	NO	NO	NO	IR	NO	
Flow type [FF,CH,RW,UW,CF,RP,UP,SM,WP,NO]	NP	NP	NP	NP	NP	NP	NP	NP	UW	UW	
Channel modification(s) [NE,MO,CV,RS,RI,DA,FO]	NO	NO	NO					NO	NO	NO	
Channel feature(s) [NV,NO,RO,MB,VB,MI,TR]	NO	NO	NO	NO			NO	NO	MB	MB	TR
RIGHT BANK TICK if functional fence											
Material [NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW]	CO	EA	EA							>	CC
Bank modification(s) [NE,MO,RS,RI,PC,BM,EM]	NO	NO	NO							>	
Bank feature(s) [NV,MO,EC,SC,PB,VP,SB,VS]	NO	NO	NO							>	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	TL	TL	TL	TL	TL	TL	SU	SU	SU
LEFT BANK-TOP (structure within 1m) B/U/S/C	U	U	B	B	B	U	B	B	U	C
LEFT BANK FACE (structure) B/U/S/C	S	S	B	B	E	U	B	B	U	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	C	C	S	U	U	U	S	U
RIGHT BANK-TOP (structure within 1m) B/U/S/C	C	S	C	C	S	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TL	BL	BL	TL	TL	TL	SU	SC	SC

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥33% area) or tick (present) if not)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓			✓	✓			✓		
Bryophytes/lichens | Algae										
Emerg broad-leaved herbs | MSC. ILLEGIBLE		✓					✓			
Emerg reeds/sedges/rushes | IRSCS										✓
Floating-leaved (rooted) |										
Free-floating |										
Amphibious |									✓	
Submerged broad-leaved |			✓			✓	✓			
Submerg fine/linear-leaved |			✓			✓				
Filamentous algae |								✓		

AREA ROUND OF WATER

SITE NO. 7054 — 1996 RIVER HABITAT SURVEY: [illegible] — Page 3 of 4

H LAND USE WITHIN SURVEY AREA

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)	E	

I BANK MODIFICATIONS AND STRUCTURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)		E	Reinforced - top only		
Gentle	E		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked	✓	
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO PREDOMINANT - E 2ND

1996 RIVER HABITAT SURVEY & DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.5	Bankfull width (m)	5.0	Bankfull height (m)	1.75
Embanked height (m)		Water width (m)	1.0	Embanked height (m)	
		Water depth (m)	0.1		

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☑

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☑ Mowing ☐ Weed-cutting ☐
Enhancement ☑ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS *(tick appropriate box(es) if ≥ 33% cover)* — IFE note LARGE STANDS of others

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OVERALL IMPACT/ACTIVITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill (dam) - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = IMPOUNDED FOR IRRIGATION USE.

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
IMPOUNDING OF RIVER LAST YEAR WAS FLOODED MID SECTION OF SURVEY AREA. HIGH SEDIMENT LOAD DOWNSTREAM.

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7055

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 31/5/1996 Time: 16:20 Surveyor name G. Culver Accreditation code. P/10

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools	1	Vegetated point bars	

***SEND COMPLETED FORMS WEEKLY** plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB*

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use JHf) for · Riffles · Pools · Unveg. side bars · Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * one entry only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	—							→
Bank modification(s) *NE,NO,RS,RI,PC,BH,EM*	NO	NO	—							→
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	—							→
CHANNEL NEW Substrate/shape codes as in *(Use whole channel/dominant channel/pool/run/riffle/other)*										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SA	SI	SI	SI	SI	CO	SI	SA	SA
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NO	NO	NO	NO	NO	NO	OV	NO	NO	NO
Flow type * *FF,CH,RW,UW,CF,RP,UP,SH,NP,NO*	NO	FC	NO	NO	NO	NP	RP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	C	—							→
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	C	—							→
RIGHT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	—							→
Bank modification(s) *NE,NO,RS,RI,PC,BH,EM*	NO	NO	—							→
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	EC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	—								→
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	U	S	U	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	U	U	U	U	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	S	U	U	B	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	—								→

G CHANNEL VEGETATION TYPES *(10m wide transect. E (≥ 33% area) or tick (present) within 5m of*

NONE / PLANT GENERA - list first 5	✓	1	✓	✓	✓				✓	
Bryophytes/lichens										
Emerg broad-leaved herbs										E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious						E	✓	E		E
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae							✓			

7000

SITE NO. 1 — 1996 RIVER HABITAT SURVEY: BOUNDARY FEATURES — Page 3 of 4

H CANOPY TYPE (within 5m of bankside) *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs - rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE *(tick one box per bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	E	Reinforced - toe only		
Composite		✓	Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO FLOW - RUN - GLIDE
(CHANNELLEGGED AT TIMES)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at bankfull level at the site where the greatest depth is found)*

LEFT BANK		Banktop width (m)	0.6	RIGHT BANK	
Banktop height (m)	0.2	Water width (m)	0.4	Banktop height (m)	0.2
Embanked height (m)		Water depth (m)	0.02	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(indicate how many and whether in channel or on bank)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bushes

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = CATTLE PASTURE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 1056.

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: TAG RIVER

Date 13/5/1996 Time: 15.14 Surveyor name G COUTT Accreditation code. PE10..

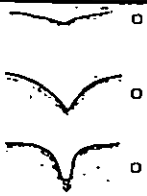
Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee



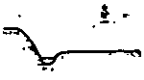
☐ concave/bowl
(If U-shaped glacial valley - add 'U')

☐ deep vee



☐ symmetrical floodplain

☐ gorge



✓ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use ☐/✓) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)*

Spot check 1 in: upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional fence											
Material *WW,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,SH,SW*	EA	EA	—	—	—	—	—	—	—	→	CC
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	RI	RI	NO	—	—	—	—	→	
Bank feature(s) *HV,HO,EC,SC,PB,VP,SB,VS*	NO	NO	—	—	—	—	—	—	—	→	
CHANNEL *NEW: Natural/un-dredged/unmodified*	*PLAN VIEW (Looking downstream)*										
Channel substrate *WW,BE,BO,CO,SP,SA,SI,CL,PE,AR*	SI	SI	SI	CO	SI	—	—	—	—	→	
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*	NO	NO	NO	IR	NO	—	—	—	—	→	
Flow type *FF,CH,RW,UW,CP,RP,UP,SM,WP,NO*	SM	FF	—	—	—	—	—	—	—	→	
Channel modification(s) *ME,MO,CV,RS,RI,DA,PO*	NO	NO	—	—	—	—	—	—	—	→	
Channel feature(s) *HV,HO,RO,NB,VB,MI,TR*	NO	NO	—	—	—	—	—	—	—	→	
RIGHT BANK TICK if functional fence											
Material *WW,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,SH,SB,SW*	EA		EA	EA	CC	CC	CC	EA	CC	CC	
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	RS		RS	RS	RI	RI	RI	NO	RI	RI	
Bank feature(s) *HV,HO,EC,SC,PB,VP,SB,VS*	NO		NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* *BA/SC*	S	S	S	S	U	U	S	U	U	U
LEFT BANK FACE *(structure)* *BA/SC*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* *BA/SC*	B	B	B	B	U	U	U	B	B	U
RIGHT BANK-TOP *(structure within 1m)* *BA/SC*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	TH	IG	IG	TH	TH	TH	TH	BL	TH

G CHANNEL VEGETATION TYPES *(10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	J	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	E	E	✓	✓	✓	✓	✓	E	E
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 1056

1996 RIVER HABITAT SURVEY: CONTINUOUS RECORDS

A CONTINUOUS RECORDS OF LAND USE *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	—	✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)		E	Suburban/urban development *(SU)*	E	

B CONTINUOUS RECORDS OF CHANNEL CONDITIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactivated		E
Vertical + toe			Reinforced - whole bank		E
Steep (>45°)			Reinforced - top only		
Gentle	✓		Reinforced - toe only	✓	E
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

C PRESENCE OF REGULARLY ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	✓
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

D PRESENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bend(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.75	Bankfull width (m)	6.5	Banktop height (m)	1.25
Embanked height (m)		Water width (m)	4.0	*Embanked height (m)*	
		Water depth (m)	0.60		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

B ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 3 Fords = 1
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancements ☐ Other ? State ... FISH REFUGE ...

D FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

F NOTABLE NUISANCE PLANT SPECIES *(tick & list % cover in bank-side and/or aquatic stands of each)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bushes

G OVERALL RIVER CHARACTERISTICS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam (weir) - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

H ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1995 RIVER HABITAT SURVEY: Introduction and Checklist 1 of 4

A BACKGROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7059

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 699 078 River: Upper Clydach

Date 16.5.11996 Time: 12:30 Surveyor name MG Accreditation code PFGS

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (unvegetated and vegetated)

Riffles 18 Unvegetated point bars 4

Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use 𝍸) for - Riffles 𝍸 | Pools 𝍸 | Unveg. side bars 𝍸 | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across a 10m stretch)

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *WV,BE,BO,CO,GS,EA,PE,CL,OC,SP,WP,CA,BR,RR,BW*	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	PB	NO	NO	SB	SC	NO
CHANNEL TICK if functional fence										
Channel substrate * *WV,BE,BO,CO,GF,SA,SI,CL,PE,AR*	GP	GP	CO	GP	CO	CO	GP	GP	CO	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	IR	IR	OV	OV	OV	OV	IR	IR	PO	IR
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	UW	SM	SM	RP	SM	RP	RP	PP	UW	RP
Channel modification(s) *NC,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	PB	PO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *WV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,CA,BR,RR,BW*	CA	CA	CA	CA	CA	CA	CA	CA	A	CL
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	SC	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed across a 10m stretch)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	BL	SC	BL	SC	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	S	S	S	S	S	C	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	U	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	S	S	C	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	BL	BL	BL	SC	BL	BL	BL	BL

G PLANT SPECIES (to be assessed across a 10m stretch)

NONE / PLANT GENERA - list first 5			✓							
Bryophytes/lichens *Fontinalis*				✓	✓	✓	✓		✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae *Cladophora*	✓	✓		✓	✓	✓	✓	✓	✓	✓

SITE NO. 7059 1995 RIVER QUALITY SURVEY: SOILS AND LAND USE

H LAND USE WITHIN 50m OF BANKTOP (to be assessed across a 100m stretch)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK SIDE MODIFICATIONS (to be assessed across a 100m stretch)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (to be assessed across a 100m stretch)

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES (to be assessed across a 100m stretch)

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☑
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle - Glide

1995 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS (to be assessed at a representative location (preferably riffle) across a 10m stretch)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.4	Banktop width (m)	4.0	Banktop height (m)	0.4
Embanked height (m)		Water width (m)	3.0	*Embanked height (m)*	
		Water depth (m)	0.05		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (within a 100m stretch)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RIVER MANAGEMENT (within a 100m stretch)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF CONSERVATION INTEREST (within a 100m stretch)

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL (within a 100m stretch)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANT SPECIES (within a 100m stretch)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R OVERALL ENVIRONMENTAL QUALITY (within a 100m stretch)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - gjant - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
Possible mink footprints.

Other significant observations: small stream in valley heavily mined. BL dominated by saplings + conifer trees + bramble extensive.

S ALDERS (within a 100m stretch)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with notes for planners and teaching) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7061

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 868057 River: Neath

Date 17/5/1996 Time: 13:30 Surveyor name MG Accreditation code: PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(minimum size 5m)*

Riffles 7 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use ,|||) for - Riffles Pools Unveg. side bars Veg point bars

HYDROLOGICAL ATTRIBUTES *(to be assessed across Channel)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material *NV,BE,BO,CO,GE,SA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	CO	EA	RR	RR	BR	RR	CO	RR	RR	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NO	RI	RI	RI	RI	NO	RI	RI	RI
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	SB	SB	NO	NO	NO	NO	EC	NO	NO	NO

CHANNEL ATTRIBUTES

Channel substrate *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	CO	CO	CO	BO	CO	CO	CO	GP
Substrate shape *FL,ON,EL,SP,CU,PO,IR, Others - note*	IR	IR	OU	OU	OU	IR	IR	IR	IR	IR
Flow type *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	RP	SM	UW	UW	SM	SM	RP	RP	UW	RP
Channel modification(s) *NE,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,MO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK ATTRIBUTES *(notice if functional flood...*

Material *NV,BE,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	RR	RR	RR	CO	CO	CO	NO	NO	RR	
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	RI	RI	RI	NO	NO	NO	NK	NK	RI	
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	SB	SB	SB	

E. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU CN = (varied - ...

LAND USE WITHIN 5m OF BANKTOP (L)	DL	TH	CN	CN	CN	CN	CN	CN	CN	
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	-	B	B	B	B	S	B	-	
LEFT BANK FACE *(structure)* B/U/S/C	S	S	B	B	B	B	B	B	B	
RIGHT BANK FACE *(structure)* B/U/S/C	B	B	B	B	S	S	-	S	B	
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	C	C	S	S	C	C	U	
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SC	SC	SC	BL	SC	SU	SC

CHANNEL VEGETATION TYPES *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5					✓	✓				
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	Kiss.	✓	✓	✓	✓		✓	✓	✓	✓

SITE NO. 2061 1996 RIVER HABITAT SURVEY (500m SURVEY) Page 3 of 4

LAND USE WITHIN 5m OF BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*	—	—
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*		E

BANKTOP CONDITIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Reactioned		
Vertical + toe			Reinforced - whole bank	E	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

OCCURRENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

OCCURRENCE OF OTHER HABITAT FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Run - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS *(to be measured at a representative riffle, or if absent, at a glide)*

LEFT BANK				RIGHT BANK
Banktop height (m)	0.3	Banktop width (m)	14.0	Banktop height (m) 0.3
Embanked height (m)		Water width (m)	6.0	*Embanked height (m)*
		Water depth (m)	0.2	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

MAN-MADE CHANGES IN VICINITY

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = 2 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT LAND USE CHANGE

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State Conservation of ... R...

FEATURES OF GEOMORPHOLOGICAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

HUMAN INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (road) rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = road cutting

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole (kingfisher) dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ... in bank of ... [illegible]

ALDER

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: BACKGROUND & BASIN INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7062

Mid-site grid reference of network site if different from designated location:

Grid Reference: SN903077 River: Neath

Date 17/5/1996 Time: 11:50 Surveyor name MG Accreditation code. PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☑	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate number)

Riffles 23 Unvegetated point bars 1

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use JIII) for - Riffles (1) Pools Unveg. side bars Veg point bars

A PHYSICAL ATTRIBUTES (to be assessed across channel width at each spot check)

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if (nearest) trees										
Material *WW,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	BO	EO	BO	W	BE	EA	NU	CO	BE	EC
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NU	NO	NO	RI	NE	NO	NO	RI
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	PB	NO	NO	SB	NO	NO	NO
CHANNEL										
Channel substrate ¹ *MY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	BO	CO	CO	CO	CO	CO	CO	CO	PE	CO
Substrate shape *FL,OV,EL,TP,CU,PO,IR, Others - note*	IR	OV	OV	OV	FL	OV	FL	FL	FL	OV
Flow type ² *FF,CH,BW,UW,CF,BF,UP,SM,MP,NO*	CF	RP	CH	RP	UW	SM	RP	UW	CM	CF
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO		NO	NO
Channel feature(s) *MV,NO,RO,MB,VB,MI,TR*	RO	NO	RO	RO	NO					RO
RIGHT BANK - TICK if (nearest) trees					✓					
Material *WW,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	BO	PE		CO	NU	NU			SG	BO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NU	NO	NO	NO	NK	NK	RI	RI	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	SG	SB	NO	NO	NO	SB

B BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TN, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	IG	IG	BL	BL	BL	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S		S	-	B	B	-	S	-	B
LEFT BANK FACE *(structure)* B/U/S/C	U	S	-	S	S	B	-	-	-	B
RIGHT BANK FACE *(structure)* B/U/S/C	S	-	S	S	-	S	-	S	-	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	-	S	S	S	C	B	U	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	BL	BL	EW	BL	SU	EW	IG	SC	SC

C VEGETATION TYPES (% cover)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae (Cla) Hyd	E	E	E	E	✓	✓	✓	E	✓	E

SITE NO. 7062

1996 RIVER HABITAT SURVEY: LAND USE WITHIN 50m OF SURVEY (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' root vegetation (TH)			Suburban/urban development *(SU)*		E

1996 RIVER HABITAT SURVEY: CHANNEL MODIFICATIONS AND ARTIFICIALITY

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓		Reactioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

1996 RIVER HABITAT SURVEY: PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

1996 RIVER HABITAT SURVEY: PRESENCE OF WATERFALLS, RIFFLES AND POOLS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Rapid - Run

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	14.0	Banktop height (m)	0.5
Embanked height (m)		Water width (m)	10.0	*Embanked height (m)*	
		Water depth (m)	0.3		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

MANMADE FEATURES

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = { Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

EXOTIC PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

PHYSICAL DISTURBANCE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (weir) mill -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bondland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Flyover over road upward ~~extension~~ reinforcement of RVC banks. Input of trickling water at d/s end of site.

CATCHMENT

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE modifications) Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7069 : mid. pos. repl. and TTL add 14. B

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 12/6/1996 Time: 10.18 Surveyor name NJL Accreditation code. CEEF

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	☑	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(Number of each, total number)*

Riffles 9 Unvegetated point bars 2

Pools ✓ Vegetated point bars ✓

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Sheet 2 of 4

TALLY (use ///) for - Riffles //// /// Pools Unveg. side bars // Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, within a 1m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(TICK if functional fence)*										
Material *(BE,BO,CO,CL,SA,PE,G,CC,ZP,WP,GA,SH,ES,AR)*	SA	SA	SA	SA	SA	SA	SA	BE	SA	SA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EN)*	NO	NO	NO	NO	NO	NO	RC	NO	NO	NO
Bank feature(s) *(WP,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	PB	SC	NO	NO	RC	EC
CHANNEL & NEW										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	CO	CO	GP	GP	CO	CO	CO	CO	GP
Substrate shape *(FL,OV,EL,SP,CU,FO,DI, Others - use)*	FL	FL	CU	NI	CU	FL	FL	NV	IR	IR
Flow type *(FT,CH,BW,UW,CF,RP,GP,SM,WF,NO)*	RP	RP	UW	RP	RP	RP	SM	RP	RP	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(WF,NO,FO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *(TICK if functional fence)*										
Material *(BE,BO,CO,CL,SA,PE,G,CC,ZP,WP,GA,SH,ES,AR)*	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EN)*	NO	NO	NO	NO	RC	NO	NO	NO	NO	NO
Bank feature(s) *(WP,NO,EC,SC,PB,VP,SB,VS)*	SC	NO	NO	NO	PB	SC	NO	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, BC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	IG	IG	OL	IG	IG	OL	IG	IG
LEFT BANK-TOP *(structure within 1m)* MUSAC	S	U	U	U	U	U	C	G	U	U
LEFT BANK FACE *(structure)* MUSAC	U	U	U	U	U	C	U	S	S	S
RIGHT BANK FACE *(structure)* MUSAC	S	S	S	S	U	C	S	U	S	C
RIGHT BANK-TOP *(structure within 1m)* MUSAC	S	U	U	U	U	X	U	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	IG	IG	IG	IG	IG	BL	IG	OL

G CHANNEL VEGETATION TYPES *(Tick and list 5 most frequent types in channel and on banks)*

NONE / PLANT GENERA - list first 5				✓	✓	✓	✓	✓	✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/linear-leaved							✓		
Filamentous algae	✓	✓	✓						

SITE NO. 7069 1996 RIVER HABITAT SURVEY (300 m WHOLE UNIT) Sheet 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (TICK)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*		

I MANAGEMENT

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe*			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankment		

J RIPARIAN TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K INSTREAM HABITAT FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features):* C, R, G

1996 RIVER HABITAT SURVEY - CHANNEL DIMENSIONS AND INFLUENCES Sheet 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK		Bankfull width (m)	6.5	RIGHT BANK	
Bankfull height (m)	0.5	Water width (m)	6.0	Bankfull height (m)	0.5
Embanked height (m)	—	Water depth (m)	0.15	*Embanked height (m)*	—

If trampling lower than bankfull break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐ .....

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(present (P) and/or dominant (D))*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = Cross Channel
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐ ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☑
Leafy debris ☐ Fen ☐ Flush ☑

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE/NUISANCE PLANTS *(Tick and list dominant species)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Native Rhododendron bracteata

R OVERALL ASSESSMENT OF CHANNEL MODIFICATION

Major impacts - bankfill - clipping - dikes - culverts - pollution - drought - abstraction - weir - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: [illegible] Small area of common spotted orchid

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with ITN mods for plant genera and grading) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7070

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 7.5./1996 Time: 4.50 pm Surveyor name Ian Harris Accreditation code PF36

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ✓ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

✓	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	0	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use flat) for - Riffles Pools Unveg. side bars Veg point bars

(i) PHYSICAL ATTRIBUTES (to be assessed across channel width a 10m wide transect) 1 = non, only, sely

Spot check 1 is: upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if (significant) fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SI,VP,GA,AR,AS,BW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BH,UM)*	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s) *(NV,NO,LC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - TICK if (significant) fence present										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,CH,EH,UH,CF,EF,UF,SH,NP,NO*										
Flow type * *FF,CH,EH,UH,CF,EF,UF,SH,NP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if (sections) fence										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SI,VP,GA,AR,AS,BW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BH,UM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,LC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	SC	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, IF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	BL	BL	BL	BL	IG
LEFT BANK-TOP *(structure within 1m)* BA/S/C	U	U	U	S	C	C	C	C	C	U
LEFT BANK FACE *(structure)* BA/S/C	U	S	S	S	S	C	C	C	C	U
RIGHT BANK FACE *(structure)* BA/S/C	U	S	S	C	C	S	C	C	C	S
RIGHT BANK-TOP *(structure within 1m)* BA/S/C	U	U	S	S	S	S	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	RP	RP	RP	RP	TL	TL	TL

G CHANNEL VEGETATION TYPES (10m wide transect SP (≥ 33% area) or tick (present) within wetted)

NONE / PLANT GENERA - list first 5							✓			
Bryophytes/lichens								✓		
Emerg broad-leaved herbs			✓					✓		
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓					✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved								✓		
Submerg fine/linear-leaved	✓	✓			✓			✓	✓	✓
Filamentous algae	✓					✓			✓	

SITE NO. 7070 1996 RIVER HABITAT SURVEY: 500m SWEEP UP

H SURROUNDING / ADJACENT LAND USE

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	∈		Rough pasture *(RP)*		∈
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	∈	✓
Orchard *(OR)*			Tilled land *(TL)*		∈
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	—	
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* (* exclude vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANK AND NEAR BANK VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	∈	∈
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments	∈	

J RECENT FEATURES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	✓	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIVERSITY

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop width (m)	2.0	Bankop width (m)	2.0	Bankop width (m)	
Bankop height (m)	0.5	Water width (m)	15	Bankop height (m)	0.5
Embanked height (m)	1.0	Water depth (m)	3+ (1.5-2m)	*Embanked height (m)*	-

If trampling lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ✓ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box (es))

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST (tick appropriate box (es))

None	✓				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q NOTABLE INVASIVE PLANTS (tick appropriate box (es))

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER CORRIDOR (tick appropriate box (es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: New York canal - also used by angling club, unreasonably deep. Not fenced (it would spoil) to nearby canal-class road - deciduous probably not old mud (4-5 m) by banks.

S ALDERS (tick appropriate box (es))

Alders? None ☐ Present ☐ Extensive ✓ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE moods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7071

Mid-site grid reference of network site if different from designated location:

Grid Reference: 843030 River:

Date 7/5/1996 Time: 1.15 Surveyor name Laithier Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirety ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2 Unvegetated point bars 2

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY FORM SPOT CHECKS — Page 2 of 4

TALLY (use BH) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(tick as appropriate; record actual values, channel width, bankfull width, etc. in wide transect)*

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if fractional fence*										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,ES,AW)*	EA	EA	BR		EA	EA	EA	EA	CC	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	NO	RI		RS	RS	RS	RS	RI	RS
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VT)*	SC	NO	NO		NO	NO	NO	NO	NO	SC
CHANNEL *(actual width, depth, flow type, substrate, channel modification, channel feature)*										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	CO	CO		GP	SI	SI	GP	GP	NV
Substrate shape *(FL,CV,FT,SP,CU,FO,TR, Others - note)*										
Flow type *(FF,CH,RW,UW,GF,RP,UP,SH,MP,NO)*	SM	RP	RP		SM	SM	RP	SM	RP	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	RS	RS	NO	CV	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	TR	TR	TR		NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if fractional fence*										
Material *(BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,ES,AW)*	EA	EA	BR		EA	EA	EA	CL	CC	CC
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	RS	RI		RS	RS	RS	RI	RI	RI
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VT)*	SC	NO	NO		NO	NO	SB	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from (BL, CP, OR, MH, SC, TH, RP, HO, TL, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL		SC	SC	SC	SU	SU	SC
LEFT BANK-TOP *(structure within 1m)* *(B/U/S/C)*	S	S	S		S	C	C	S	S	C
LEFT BANK FACE *(structure)* *(B/U/S/C)*	S	B	U		S	S	S	S	B	S
RIGHT BANK FACE *(structure)* *(B/U/S/C)*	S	S	B		C	S	C	B	B	S
RIGHT BANK-TOP *(structure within 1m)* *(B/U/S/C)*	C	S	S		C	C	C	B	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SU	SU		SU	SC	SC	SU	SU	SU

G PLANT/VEGETATION COVERS *(Use whole transect (<20 m wide) or 10m (precise) 20m wide sample)*

NONE / PLANT GENERA - list first 5		✓								
Bryophytes/lichens	✓		✓				✓			
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes					✓	✓	✓	✓	✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious							✓			
Submerged broad-leaved										✓
Submerg fine/linear-leaved							✓			✓
Filamentous algae						✓	✓	✓	✓	∈

1996 RIVER HABITAT SURVEY FORM SPOT CHECKS — Page 3 of 4

SITE NO. 7071

H SUBSTRATE

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	∈		Rough pasture *(RP)*		✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	∈	✓	Open water *(OW)*		
Tall herbs/ rank vegetation *(TH)*			Suburban/urban development *(SU)*	∈	∈

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	∈	∈
Vertical + toe			Reinforced - whole bank	✓	∈
Sloop (>45°)			Reinforced - top only		
Cattle	✓		Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J VEGETATION ZONES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE-RUN-GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	4.75	RIGHT BANK	
Bankfull height (m)	1.0	Water width (m)	4.0	Bankfull height (m)	1.0
Embanked height (m)		Water depth (m)	0.5	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M MAN-MADE FEATURES

None ☐ Number of Culverts = | Weirs = Outfalls = 4 Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE/RELEVANT PLANT SPECIES *(tick all species seen in channel, on banks or in marginal zone)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? .Nettle Rhododendron bracken

R OVERALL ASSESSMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Access difficult - Various buildings, culverts, vegetation all go in the way as return points. Goes under buildings for 100m - 2 pipes & runs alongside the watercycle. Possibly abandoned (sluice) next to one bankside.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plan, centre and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7072

Mid-site grid reference of network site if different from designated location:

Grid Reference: 913070 River:

Date 7/5/1996 Time: 11.10 am Surveyor name Iain Harris Accreditation code PF 36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ x2 *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 6 Unvegetated point bars 0

Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY CTION SPOT-CHECKS — Page 2 of

TALLY (use ||||) for - Riffles |||| Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across 'channel' within a 1m wide transect)* — one entry only

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence						✓	✓	✓	✓	✓
Material *NY,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RR,BW*	EA	EA	EA	RR	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	PC	NO	NO	R/PC	NO	RS	RS	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	SC	SB	SB	SC	SC	SC	NO	SC	NO
CHANNEL ACROSS										
Channel substrate *NY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	CO	GP	GP	SI	BO	GP	SI	CL	NV	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	IR									
Flow type *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	RP	CF	RP	SM	CH	RP	SM	RP	RP	RP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	DA	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence						✓	✓	✓	✓	✓
Material *NY,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RR,BW*	EA	EA	BR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	NO	NO	RI	NO	NO	RS	RS	RS	RS	R/EM
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	SB	NO	NO	NO	NO	SC	EC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	S	C	C	C	C	C	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	U	S	S	U	S	S	B
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	B	U	C	S	B	B	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	C	C	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(One wide transect (1m - 1.5m wide) or four (present) 5m bank-watch sites)*

NONE / PLANT GENERA - list first 5	✓		✓	✓		✓	✓	✓		E
Bryophytes/lichens		✓			✓					✓
Emerg broad-leaved herbs									✓	/
Emerg reeds/sedges/rushes									✓	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae						✓				/

SITE NO. 7072 — 1996 RIVER HABITAT SURVEY — Page 3 of

H BANKSIDE LAND USE *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' *(exclude vegetation (TH))*			Suburban/urban development *(SU)*		

I BANK PROFILE *(tick one box per bank)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J INCIDENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☐	☑

K BANKSIDE AND CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of

L CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK		Banktop width (m)	0.5	RIGHT BANK	
Banktop height (m)	0.2	Water width (m)	0.2	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M INFLUENCES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box (es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOXIOUS / NUISANCE PLANT SPECIES *(tick all that apply)* — *(NOTE: LARGE STANDS of others on*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R KEY CATCHMENT CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
Rabbit!

Other significant observations: Two distinct halfs here - Top half - much modified and very crowded over with hedges. Bottom half - wide and more 'natural' - debris dams, fallen trees & L-bank open & full of tree poached - plants lower-ers very muddy all soon.

S ALDER *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for plant genera and reading key Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7075

Mid-site grid reference of network site if different from designated location:

Grid Reference: 277048 River:

Date 8/5/1996 Time: 5.00 pm Surveyor name Iain Hems Accreditation code PFS6

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 4

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use JBT) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel width x 1m wide transect) - one entry only*

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional fence*										
Material *(BE,BO,CO,CB,BA,PE,CL,CC,SP,VP,OA,BR,ES,AR)*	EA	EA	EA	EA	EA	EA	EA	BR	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,FM)*	RS	RS	RS	RS	RS	RS	RS	RI	RS	RS
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	VP	EC	NO	NO	NO	SC	SC	NO	NO	NO
CHANNEL *(select up to 3 types)*										
Channel substrate *(BE,BL,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	GP	GP	GP	GP	GP	GP	SI	SI
Substrate shape *(FL,CW,FZ,SP,CU,FO,IR, Other - use)*										
Flow type *(FF,GH,BW,UW,CF,RP,UP,SM,NP,NO)*	RP	SM	SM	SM	RP	SM	RP	RP	NP	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,VB,MI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	MI	MI
RIGHT BANK *TICK if functional fence*										
Material *(BE,BO,CO,CB,BA,PE,CL,CC,SP,VP,OA,BR,ES,AR)*	EA	EA	EA	EA	EA	EA	EA	BR	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,FM)*	RS	RS	RS	RS	RS	RS	RS	RI	RS	RS
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	VP	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IA, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	SC	IG	IG	SC	IG
LEFT BANK-TOP *(structure within 1m)* *(NT/S/C)*	S	U	U	U	U	S	S	S	B	U
LEFT BANK FACE *(structure)* *(NT/S/C)*	S	B	S	U	S	B	S	S	B	S
RIGHT BANK FACE *(structure)* *(NT/S/C)*	B	S	S	S	S	S	B	B	S	U
RIGHT BANK-TOP *(structure within 1m)* *(NT/S/C)*	S	S	S	U	S	C	C	B	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	IG	IG	IG	IG	IG	SU	SC	IG

G CHANNEL VEGETATION TYPES *(choose up to 3 types (> 33% area) or tick (present) 500m each side of site)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens								✓		
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	E	E
Emerg reeds/sedges/rushes		✓	✓	✓	✓					E
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓	✓	✓	E	✓		✓	✓
Submerg fine/finess-leaved		✓	✓	✓					✓	E
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	E	E	E

SITE NO. 7075 1996 RIVER HABITAT SURVEY SPOT CHECK Page 3 of 4

	L	R		L	R
broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
crub *(SC)*	✓	✓	Open water *(O/W)*		
tall herbs" rank vegetation *(TH)*			Suburban/urban development *(SU)*	✓	E

	L	R		L	R
atural/unmodified			Artificial/modified		
ertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Sloep (> 45°)			Reinforced - top only		
astle			Reinforced - toe only		
mposite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

WATER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

dicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

H CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	6.0	RIGHT BANK	
Bankfull height (m)	0.6	Water width (m)	4.5	Bankfull height (m)	0.6
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 Other = MILL HOUSE

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

J EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

K FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

L CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M NOTABLE PLANT SPECIES *(list all species in transect)* - IFE and LABOR STANDS only

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

N OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies (species, num.)

Other significant observations: ABOVE MILL HOUSE WATER FLOWS HARD OVER A HARD BED. (BELOW MILL HOUSE WATER IS SLOW AND DEEP) APPARENTLY, RIVER USED TO SUPPORT TROUT, BUT OCCASIONAL (LACK OF LOGGING) ETC. POOR NO DEAD TREES FROM CATCHMENT. (EG. EFF OF DEFORESTATION) ABOVE MILL HOUSE A FISH CULL IN THE PAST. DESPITE THIS, RIVER LOOKS VERY CLEAN.

O ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1995 RIVER HABITAT SURVEY (including modifications for plant species and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7077

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 445013 River: UN-NAMED Trib of THAMES.

Date 30/5/1996 Time 09:15 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(estimate total number)*

Riffles 15 Unvegetated point bars

Pools 4 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (INSPOT CHECKS) Page 2 of 4

TALLY (use ///) for - Riffles XIIII Pools /// Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(TICK if modified)*										
Material ¹ *NV,RE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,ER,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	RS	RS	RS	RS	NO	RS	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	SC
CHANNEL *(NOT modified)*										
Channel substrate ¹ *NV,RE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type ¹ *FF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	SM	UW	RP	UW	UW	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *(TICK if modified)*										
Material *NV,RE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,ER,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(for a stretch 10m wide, alongside)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	TL	SC	SC	TL	TL	IG	IG	TH
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	C	S	U	U	S	U	U	U	U	U
LEFT BANK FACE *(structure)* *B/U/S/C*	C	C	C	U	U	U	U	U	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	U	S	S	S	B	S	S	U	B	S
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	U	U	U	U	U	S	C	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	SU	TH	SU	BL

BANKTOP/LAND USE NOTES *(for a stretch 10m wide, alongside)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs *Ep:lob,mon Ap:nas*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes *Sparg,gravis*				✓	✓		✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae								✓	✓	✓

1996 RIVER HABITAT SURVEY (including modifications for plant species and fencing) Page 3 of 4

SITE NO 7077

LAND USE WITHIN 50m OF BANKTOP *(estimate to nearest 5%)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs* rank vegetation (TH)	✓		Suburban/urban development *(SU)*		E

BANK FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reactioned	E	E
Vertical + toe			Reinforced - whole bank		✓
Slope (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pinched		
			Embanked		
			Set-back embankments		

PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees . .	☐	☒	☐
Coarse woody debris	☐	☐	☒

PRESENCE OF CHANNEL AND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☒
Cascades(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE / RIFFLE

1995 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS *(measured at the downstream limit of a representative reach)*

LEFT BANK				RIGHT BANK
Banktop height (m)	0.6	Banktop width (m)	1.8	Banktop height (m) 0.6
Embanked height (m)	/	Water width (m)	1.1	*Embanked height (m)* /
		Water depth (m)	0.12	

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES *(within 50m of bankside)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

RESERVOIR OR CHANNEL MANAGEMENT *(within 50m of bankside)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

OTHER FEATURES OF SPECIAL INTEREST *(within 50m of bankside)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☒	Carr	☐
Debris dams	☒	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

PRESENCE OF NUISANCE PLANTS *(within 50m of bankside)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: FROG otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
'meandering - small channel - mostly tree-lined.

ALDERS *(within 50m of bankside)*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE mod.) Ecoplan, Leeds and Jacksons Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7078

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 526 026 River: THAMES

Date 31/5/1996 Time 08:30 Surveyor name N. GRIEVE Accreditation code PC 12

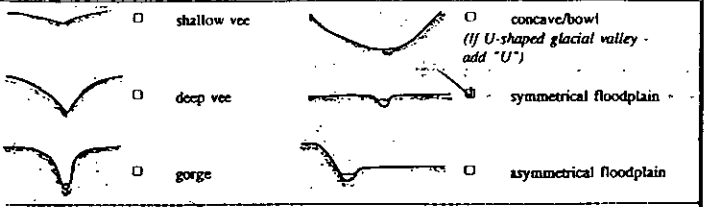
Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

C NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg. side bars Veg point bars

D PHYSICAL ATTRIBUTES (to be recorded over a 10m length)

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
BANK SPOT CHECKS										
Material [1] *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BE,RR,BW*	BR	EA	WP	EA	WP	EX	EA	EA	CC	SP
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	NO	RI	NO	RI	NO	NO	NO	RI	RI
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	SC	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [1] *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	SI	NV	NV	GP	SI	NV	SI	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	/	/	IR	/	/	/	/	/
Flow type [1] *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	NP	NP	NP	ND	NP	NP	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	MI	MI	MI
RIGHT BANK SPOT CHECKS (looking downstream)										
Material [1] *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BE,RR,BW*	BR	CL	CL	CL	CL	IS	CL	EA	EA	SA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SC	NO	NO	SC	NO

BANKTOP AND LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide (max) area)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	IG	IG	IG	IG	RP	RP	IG	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	U	U	U	U	S	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	B	S	B	S	B	S	C	C	B	B
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	S	B	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	IG	IG	IG	IG	IG	IG	IG	IG	IG

BANKTOP VEGETATION (to be recorded over a 2x10m wide (max) area)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Eq. telmateia, Butterbur				✓			✓		✓
Emerg reeds/sedges/rushes	Sinapis, Sparg., Acorus, Phrag.							✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	Mentha aq.									
Submerged broad-leaved	Nuphar			✓		✓		✓		✓
Submerg fine/linear-leaved	Potamogeton sp.			✓		✓		✓		✓
Filamentous algae		✓	✓	✓	✓	✓	✓	✓	✓	✓

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1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

SITE NO. 7078

BANKTOP AND LAND USE WITHIN 50m OF BANKTOP (to be recorded over a 50m wide (max) area)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*	E	
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* *(TH)*			Suburban/urban development *(SU)*	✓	

BANK SIDE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	E	✓
Steep (>45°)	E	E	~~Reinforced - top only~~		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

BANK STRUCTURES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

CHANNEL CONTROLS AND FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Shingle/gravel bar(s)	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☐	☒	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK (NP)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured where features are best developed within the representative 50m length)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	43.0	Banktop height (m)	0.45
Embanked height (m)	/	Water width (m)	42.0	*Embanked height (m)*	/
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

FEATURES OF INTEREST

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = >Other= RAILBRIDGE : 1

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SIGNIFICANCE

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

INVASIVE SPECIES

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Mostly uniform channel - MI 3 and 8L survey reach.

ALDERS

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7080

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 771091 River: SCOTSGROVE BROOK

Date 17/5/1996 Time 10.00 Surveyor name D GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* . . .

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee — ☑ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 4	Unvegetated point bars
Pools 1	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use JHT) for - Riffles | Pools | Unveg. side bars | Veg point bars |

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	SA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	RS	NO	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	SC	NV	NO	NO	NO	NO	SC	NO	NO	NO
CHANNEL *NV,BE,BO,CO,CP,SA,SI,CL,PE,AR*	SAGP	SI	GP	GP	SI	SP	SP	CL	S	
Channel substrate *										
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	—	NV	—	OV	OV	—	OV	OV	—	
Flow type * *FT,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	RP	SM	SM	SM	NV	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,CP,SA,SI,CL,PE,AR,RR,RW*	SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	IL	TH	IG	IL	IG	IL	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	U	S	U	U	U	S	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	U	U	S	S	U
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	U	U	U	U	U	U	S	U
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IL	TH	IL	IL	IG	IG	IG	TH	

G CHANNEL VEGETATION TYPES *(Use DAFOR scale: D = dominant, A = abundant, F = frequent, O = occasional, R = rare) NV (not present) SQM (square metre)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Ep									
Emerg reeds/sedges/rushes						E				
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7080 — 1996 RIVER HABITAT SURVEY: SPOT CHECKS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all present)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* *(TH)*	V	V	Suburban/urban development *(SU)*		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reactioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREE COVER AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☑	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☑
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K WATER FEATURES

	None	Present	B		None	Present	B (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock (CLAY)	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE, RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND JUNCTIONS — Page 4 of 4

L CHANNEL DIMENSIONS *(Use a tape measure to measure a cross-section, perpendicular across channel)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		5.0		Banktop width (m)	
Banktop height (m)	1:1	Water width (m)	1.4	Banktop height (m)	1.6
Embanked height (m)	\	Water depth (m)	0.15	*Embanked height (m)*	\

If trashline lower than banktop break in slope, indicate: height (m) = 0.8 width(m) = 3.30

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Footbridges ☑ Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State . . .

O FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering channel. Steep bank: soft fine (SM)

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IDS codes for plant genera and species — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7081

Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 825104 River: SCOTSGROVE BROOK.

Date 17/5/1996 Time: 12.00 Surveyor name N.GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles	9	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Mr K Perrin
Apsley Manor Farm
North Lee Lane
Marsh Ayls. HP22 5VA

* Requests RHS publication '94 '95

1996 RIVER HABITAT SURVEY - 10m SPOT CHECKS — Page 2 of 4

TALLY (use JMH) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) * = one code only

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	E
Bank modification(s)	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s)	NO	ND	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Channel substrate *	GP	GP	GP	GP	GP	GP	SI	GP	SI	CI
Substrate shape	OV	OV	OV	OV	OV	OV	—	OV	—	
Flow type *	SM	SM	UW	RP	UW	UW	SM	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RS	RS	NO	
Bank feature(s)	NO	SC	NO	NO		NO	NO	NS	NO	

E BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from IR, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TF	TF	TF	TF	TH	IG	IG			
LEFT BANK-TOP (structure within 1m) B/U/S/C	C	U	C	S	U	U	U	S	S	U
LEFT BANK FACE (structure) B/U/S/C	S	S	S	S	S	S	S	U	U	S
RIGHT BANK FACE (structure) B/U/S/C	S	S	S	S	C	C	C	C	S	S
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U	U	U	U	U	U	U	S		
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SC	IG	TH	TF	TH	IG	IG

F VEGETATION TYPES (for transect 0-10m (plan) and 0-5m (profile))

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens		✓	✓		✓			✓	✓	
Emerg broad-leaved herbs		✓	✓	✓		✓	✓	✓	✓	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓								

SITE NO. 7081 — 1996 RIVER HABITAT SURVEY - LOCAL LAND USE AND SURFACE COVER — Page 3 of 4

A LAND USE WITHIN 50m OF TOP OF BANK (tick all present) (if present, estimate % of 100m reach)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)		V	Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)	V	V	Suburban/urban development (SU)		

B BANK SIDE MATERIAL (tick all present) (if present, estimate % of 100m reach)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		E	Resectioned	E	V
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	V		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

C TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

D INSTREAM FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(s)	☐	☒	☐	Exposed bedrock	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☐	☒	Vegetated mid-channel bar(s)	☒	☐	☐
Bed(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE, GLIDE

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DAM/WEIRS — Page 4 of 4

A CHANNEL DIMENSIONS (to be assessed at a riffle cross-section, preferably devoid of bedrock)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.3	Banktop width (m)	3.75	Banktop height (m)	1.2
Embanked height (m)		Water width (m)	1.4	*Embanked height (m)*	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 1.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B ANTHROPOGENIC FEATURES (within 50m of top of bank)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF SPECIAL INTEREST

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☒	Water meadow	☐	Marsh	☐
Leafy debris	☒	Fen	☐	Flush	☐

Other (state) .....

E CHOKED CHANNEL (use JMH)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F NOTABLE NUISANCE PLANTS (use JMH)

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

G OVERALL CHARACTERISTICS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: Skylarks. otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Clear flowing, GP shows, steep sides & shaded

H ALDERS (tick appropriate box)

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7084

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 139012 River: COLNE.

Date: 16/5/1996 Time: 14.10 Surveyor name: N GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 3 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS — Page 2 of

TALLY (use DIY) for Riffles | Pools | Unveg side bars | Veg point bars |

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* - use easy only

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VS
CHANNEL										
Channel substrate	SI	GP	GP	SI	GP	GP	SI	GP	GP	SI
Substrate shape	/	OV	OV	-	SI	SI	/	OV	OV	/
Flow type	SU	GW	SM	NP	SM	SM	NP	UW	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	NO	NO
Bank feature(s)	SC	NO	VS	SC	NO	NO	NO	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU — TL = SET ASIDE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	U	U	U	S	U	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	S	S	U	S	S	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	S	S	U	U	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	U	S	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TH	TL	TL	TL	TH	TL	BL	BL

G CHANNEL VEGETATION TYPES *(Use DAFOR scale (Dominant, Abundant, Frequent, Occasional, Rare) or tick (present) code in cells)*

	1	2	3	4	5	6	7	8	9	10	
NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											✓
Emerg broad-leaved herbs	Sparganium										✓
Emerg reeds/sedges/rushes		E	✓	E	E	✓	✓	✓			✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											✓
Submerged broad leaved	✓								✓	✓	✓
Submerg fine/linear leaved	✓	✓	E	E	✓	✓		E	✓	✓	E
Filamentous algae											

SITE NO. 7084 — 1996 RIVER HABITAT SURVEY (SCORES WILL BE ENTERED) — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (TL = SET ASIDE)

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL) SET ASIDE	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reactioned	E	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	✓	
			Poached		
			Embanked	E	
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☒	☐ WITH GAPS
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging bougha	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☐	☒	☐
Course woody debris	☐	☒	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascades(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☐	☒	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bed(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE + RE/POOL

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(Use bankside features to estimate dimensions)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.15	Banktop width (m)	9.0	Banktop height (m)	0.45
Embanked height (m)	/	Water width (m)	7.4	*Embanked height (m)*	/
		Water depth (m)	0.12		

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ☐ State: Tree planting + clearing

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☒ - Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (silting) - other? =

Land Management: (set-aside) buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: † otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: TOO 1/2 more uniform (SI) dredged
Bottom 1/2 RE/POOL, meanders + GP

S ALDERS *(tick appropriate box(es))*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

† Dead CRAYFISH - Not native found in channel.

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7087

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 416 024 River: COBBINS BROOK

Date: 15/5/1996 Time: 11.30. Surveyor name: N GRIEVE Accreditation code: PF 12.

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

NB IFE single photograph: general character? No ☒ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 11 Unvegetated point bars 2

Pools 9 Vegetated point bars 3

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Camera jam, no photo.

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 1/f) for: Riffles 11 Pools 9 Unveg. side-bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = one entry only

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material * NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,RM,EM	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	SB	VP	NO	SC	SC	VP	NO	SB	EC	NO
CHANNEL NV,BE,BO,CO,GP,SA,SI,CL,PE,AR										
Channel substrate *	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape FL,CV,EL,SP,CU,PO,IR, Others - note	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Flow type * FF,CH,BW,UW,CF,RP,UP,SM,WP,NO	SM	WP	SM	UW	SM	UP	SM	UW	SM	NO
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	NO	NO	NO	UC	NO	NO	NO	NO	NO	NO
Channel feature(s) NV,NO,RO,MB,VB,MI,TR	NO	NO	NO	MB	NO	NO	MB	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,RM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NO	NO	VS	NO	NO	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SC	IG	RL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	C	U	C	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	C	S	S	S	C	C	S	U
RIGHT BANK FACE *(structure)* B/U/S/C	B	S	S	S	C	S	C	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SC	IG	IG	IG	TH	TH	TH

G CHANNEL VEGETATION TYPES *(Use Mar transect 5 x 2 m area) or tick (present) 500m catchment*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium sp									
Emerg reeds/sedges/rushes	Carex sp									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	V	V	E	V	V	V	E	E

SITE NO. 7087 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick as appropriate)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	V	V	Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned	V	
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bend(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☐	☒
Pool(s)	☐	☐	☒	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(measured at the top of the first riffle)*

LEFT BANK		Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	1.4	Water width (m)	1.25	Banktop height (m)	1.2
Embanked height (m)		Water depth (m)	0.02	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . . . . .

O FEATURES OF SPECIAL INTEREST

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☒ Leafy debris ☐
Artificial open water ☐ Natural open water ☐ Water meadow ☐ Fen ☐
Bog ☐ Carr ☐ Marsh ☐ Flush ☐ Other (state) . . . . . .

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NON-CRYPTOGAMIC SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? (Nettle, Rhododendron bracken)

R OVERALL DATA QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: Grass snake. Adder otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree lined, steep banks meandering channel. SP - many features (Bars, etc) BL @ LHS.

S ALDER

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE woody plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7088

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 552032 River: CRIPSEY BROOK

Date 15/5/1996 Time 09.15 Surveyor name N. CREVE Accreditation code PK 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

NB IFE single photograph: general character? No ☑ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate 'none' if appropriate)*

Riffles 3 Unvegetated point bars ☑

Pools 3 Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Camera jam, no photo.

1996 RIVER HABITAT SURVEY TEN SPOT-CHECKS Page 2 of

TALLY (use ||||) for Riffles ||| Pools ||| Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional zone:										
Material ' NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	RS	NO	RS	NO	RS	RS	NO	RS
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NC	VS	NO	JD	JD	JD	NC	NO	JD	JD
CHANNEL TICK if fractional zone:										
Channel substrate ' NV,BE,BO,CO,GP,SA,SI,CL,PE,AR	GP	GP	SI	GP	SP	AD	GP	SI	SI	SI
Substrate shape FL,OV,EL,SP,CU,PO,IR, Others - note	OV	OV	\	NV	OV	OV	NV	\	\	\
Flow type ' FF,GI,BW,UW,CF,RP,UP,SM,NP,NO	RP	RP	SM	SM	RP	UW	SM	SW	NO	SM
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) NV,NO,RO,MB,VB,MI,TR	R	NO	R	NO	R	VB	NO	NO	NO	NO
RIGHT BANK TICK if fractional zone:										
Material NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW	EA	EA	EA	SA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	RS	NO	RS	RS	RS	RS	RS	DL	RS	NO
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	VS	JD	NO	JD	JD	JD	JD	NO	NO	JD

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	SC	BL	TL	SC	SU	BL
LEFT BANK-TOP *(structure within 1m)* BU/SC	U	U	U	C	S	S	S	S	U	S
LEFT BANK FACE *(structure)* BU/SC	U	S	U	U	U	S	C	U	U	U
RIGHT BANK FACE *(structure)* BU/SC	U	BU	U	U	U	S	U	U	S	S
RIGHT BANK-TOP *(structure within 1m)* BU/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	IG	IG	TL	TL	TL	TL	TL	IG

G CHANNEL VEGETATION TYPES *(Number of occurrences in 20 x 0.5 m plots (maximum total = 200) or %)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs Epilobium	V	V	V	V	V	V		V	V	V
Emerg reeds/sedges/rushes Sparganium	E	E	V	V	E			V		E
Floating-leaved (rooted)										
Free-floating										
Amphibious						V				V
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae	V	V	V	V	E	V	V	V	V	E

SITE NO. 7088 1996 RIVER HABITAT SURVEY (SWIPE) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		V
Orchard (OR)			Tilled land (TL)		E(SA)
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)	E	V	Suburban/urban development (SU)	V	

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	V		Reinforced	E	E
Vertical & toe			Reinforced - whole bank	V	V
Slump (>45°)	E	V	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J OCCURRENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock (CLAY)	☐	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☐	☑

Indicate predominant flow sequence *(select up to three features)*: GLIDE - RT / POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at the most typical riffle section, preferably across a run)*

LEFT BANK		Banktop width (m)	8.5	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	2.55	Banktop height (m)	2.0
Embanked height (m)	\	Water depth (m)	0.04	*Embanked height (m)*	\

If trashline lower than banktop break in slope, indicate: height (m) = 1.4 width(m) = 8.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = | Weirs = Outfalls = | Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RIVERSIDE LAND USE (GENERAL)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None ☑				
Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ☐	Fen ☐	Flush ☐		

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL RIVER CHARACTER

Major impacts: landfill - tipping (litter) - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying (overdeepening) - afforestation - fisheries management - silting - other? = R=5

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (to plant genera and cover) — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7089

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 677074 River: CAN.

Date 14/5/1996 Time: 12:15 Surveyor name N GRIEVE Accreditation code PF 12.

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

NB IFE single photograph: general character? No ✓ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 10 Unvegetated point bars —

Pools 9 Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB Camera jam - no photo.

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use diff) for - Riffles ||||\ Pools |||| Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 m, upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material ' NV,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	VS	NO	NO
CHANNEL Continue on to page 3										
Channel substrate ' NV,BE,BO,CO,GF,SA,SI,CL,PE,AR	SI	GP	GP	GP	GP	GP	GP	GP	SI	GP
Substrate shape FL,OV,EL,SP,CU,PO,IR, Others - note	/	OV	OV	W	OV	OV	OV	OV	/	OV
Flow type ' FT,CH,BW,UW,CF,RP,UP,SM,NP,NO	SM	SM	SM	SM	NO	UW	NP	UW	NP	UW
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NV,NO,RO,MB,VB,MI,TR	NO	NO	NO	NO	NO	MB	NO	NO	TR	NO
RIGHT BANK TICK if functional fence										
Material NV,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

45

F BANKTOP LAND USE AND VEGETATION STRUCTURE: *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WI, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TH	TL	TL	TL	TH	TH	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	U	'	'	U	'	S	C	'
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	U	S	S	U	C	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	S	S	S	S	S	S	S	C
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	U	U	C	S	C	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	TL	TL	TL	TL	TL	TH	TL	IG

G CHANNEL VEGETATION TYPES *(% cover in each of 3 zones (>33% & area) or tick (present) within channel)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓		✓
Emerg reeds/sedges/rushes							✓		✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious									✓	✓
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	✓		✓	✓	✓		✓	✓

SITE NO. 7089 — 1996 RIVER HABITAT SURVEY (50m SWEEP) — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick ✓ if present)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		✓
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs' *rank vegetation (TH)*	✓	✓	Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J RIVERSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	✓
Occasional clumps	☐	✓
Semi-continuous	✓	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

K RIVER CHANNEL FEATURES AND FLOW TYPES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock (CLAY)	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	☐	✓	Vegetated side bar(s)	☐	☐	✓

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - POOL - GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one representative riffle and one representative pool per reach, or 100m)*

LEFT BANK				RIGHT BANK
Banktop height (m)	1.3	Banktop width (m)	7.2	Banktop height (m) 1.3
Embanked height (m)	/	Water width (m)	5.4	*Embanked height (m)* /
		Water depth (m)	0.05	

If trashline lower than banktop break in slope, indicate: height (m) / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(tick all that are present within 50m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT IN-CHANNEL MANAGEMENT *(tick all that are present within 50m of site)*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick all that are present within 50m of site)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

Q EXTENT OF INVASIVE PLANTS *(tick all that are present within 50m of site)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHANNEL MODIFICATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering RR / pool channel.

S ALDERS *(tick appropriate box(es))*

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7090

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 768087 River: CHELMER

Date 14/5/1996 Time 15:30 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

NB IFE single photograph: general character? No ☒ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☒ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles \	Unvegetated point bars \
Pools \	Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB CAMERA JAM, no photo

1996 RIVER HABITAT SURVEY: TEN SPOT-CHECKS — Page 2 of 4

TALLY (use DAF) for: Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* — one entry only

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,SB,BR,RR*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	SC	SC	NO	NO	NO	SC	NO	NO	NO
CHANNEL MORPHOLOGY *(estimate dimensions)*										
Channel substrate *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FI,OV,ET,SP,CU,PO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type *SF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,SB,BR,RR*	EA	EA	SI	EA	EA	EA	EA	EA	SI	SI
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RS	RS	RS	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	VS	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: W, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TH	TL	RD	RD	TH	IG
LEFT BANK-TOP *(structure within 1m)* BA/SC	C	U	U	S	S	S	U	C	S	S
LEFT BANK FACE *(structure)* BA/SC	S	S	S	U	S	S	S	S	U	S
RIGHT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	U	S	U
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U	S	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	TL	TH	TH	TL	TL	TL	TH	TH

G CHANNEL VEGETATION TYPES *(% cover)* — *Estimate within 5m of bankside and in channel; tick (present) and % cover*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Free-floating										
Amphibious										
Submerged broad leaved	✓	✓	✓		✓	✓	✓	✓	✓	✓
Submerg fine/linear-leaved										
Filamentous algae	✓	✓					✓	✓	✓	✓

SITE NO. 7090 — 1996 RIVER HABITAT SURVEY: SIDE SURVEY — Page 3 of 4

H BANKSIDE WITHIN 5m OF BANKTOP *(% cover)* — *Estimate within 5m of bankside; tick (present) and % cover*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		✓
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		E
Scrub *(SC)*			Open water *(OW)*	E	
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*		

I BANK TOP/FACE PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREATMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	✓ (mostly)
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	✓	☐ (very little)
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K INSTREAM CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Exposed deadwater	☐	☐	✓
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: STAGNANT / SLACK

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at most obvious riffle, or at a typical representative cross-section, if no riffles present)*

LEFT BANK		Banktop width (m)	20.0	RIGHT BANK	
Banktop height (m)	0.7	Water width (m)	17.0	Banktop height (m)	0.7
Embanked height (m)	/	Water depth (m)	NK	*Embanked height (m)*	/

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐ (SILT)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M ARTIFICIAL FEATURES *(within 50m of bankside)*

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT ACTIVITY *(within 50m of bankside)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(within 50m of bankside)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☒	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☒
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NON-NATIVE PLANT SPECIES *(within 50m of bankside)* — *Indicate if LARGE STANDS present*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle) Rhododendron bracken

R OVERALL ASSESSMENT OF CHANNEL

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Extensive Marsh/Carr RHS - Good hab value in floodplain (also Artificial lake LHS)
> Footpath RHS.

S ALDERS *(within 50m of bankside)*

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7091

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 847078 River: UN - NAMED (BLACKWATER)

Date 8/5/1996 Time: 14 15 Surveyor name N. GRIEVE Accreditation code PE12

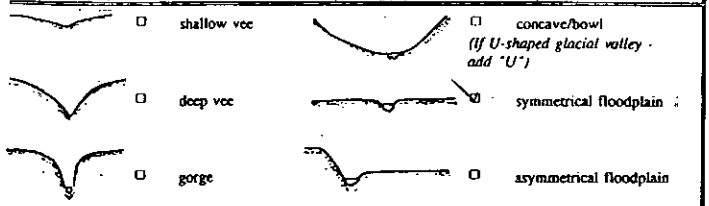
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* 8
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use |||) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ¹ = one entry only

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (inch)mal fence										
Material ¹ *NY,BE,BO,CO,GS,FA,PE,CL,CC,SP,WP,GA,BB,RR,RW*	EA	EA	EA	EA	BR	EA	EA	EA	EA	SP
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RI	NO	NO	NO	NO	RI
Bank feature(s) *NY,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NONE *(substrate shape codes etc.)*	*Fast Quiet Eddies Braided Culvert Pebbles Bed Bar Other*									
Channel substrate ¹ *NY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*										
Flow type ¹ *FF,CH,BW,UW,CF,RF,UP,SM,NP,NO*	NP	NP	NO	NP	NP	NP	NO	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,EO*	NO	NO	NO	NO	RS	NO	NO	NO	NO	NO
Channel feature(s) *NY,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	TR	NO	NO
RIGHT BANK TICK if functional fence										
Material ¹ *BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BB,RR,RW*	EA	EA	EA	EA	BR	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RI	NO	NO	NO	NO	NO
Bank feature(s) *NY,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	TH	TL	SU	TL	TL	SC	TH	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	B	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	B	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	B	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	B	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	SL	BL	SU	TL	TL	TH	TH	TH

Q CHANNEL VEGETATION TYPES *(% within 2m x 2m transect (≥ 0.1% area) or tick (present) 500m each side of survey)*

NONE / PLANT GENERA - list first 5					V					V
Bryophytes/lichens										
Emerg broad-leaved herbs	V	V	V	V	V	V	V	V	V	V
Emerg reeds/sedges/rushes	V	V	V	V	V	V	V	V	V	V
Floating-leaved (rooted)	V	V	V							V
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7091 — 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (Left and Right Bank) *(% present)*

	L	R		L	R
roadleaf/mixed woodland *(BL)*		V	Rough pasture *(RP)*		
coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		E
rub *(SC)*			Open water *(OW)*		
ll herbs' rank vegetation (TH)	V	V	Suburban/urban development *(SU)*	V	V

I MANAGEMENT (Left and Right Bank)

	L	R		L	R
tural/unmodified			Artificial/modified		
rtical/undercut			Resectioned		
rtical + toe			Reinforced - whole bank	V	V
Sloop (>45°)	E	E	Reinforced - top only		
ntle	E	E	Reinforced - toe only		
mposite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K WATER COURSE FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Submerged deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK / STAGNANT

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(measured at one site on a straight, uniform section, preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop width (m)			13.0		
Banktop height (m)	0.4	Water width (m)	13.0	Banktop height (m)	0.4
Embanked height (m)	—	Water depth (m) ?	NK	*Embanked height (m)*	—

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(within 500m of survey)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 >Other = FLOOD GATES/SLUICE.

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ >Other ? State BOARDWALKS ... WETLAND (RHS).

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☑
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS *(% within 2m x 2m transect (≥ 5%) or tick (present) 500m each side of survey)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHANNEL ALTERATIONS *(% within 2m x 2m transect (≥ 5%) or tick (present) 500m each side of survey)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
> GOOD WILDLIFE HABITAT
e.g. NOTE RHS & LHS

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7092

Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 916024 River: UN-NAMED (Tributary of Blackwater)

Date 8/5/1996 Time 11:30 Surveyor name N. GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (7)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee



☐ concave/bowl
(If U-shaped glacial valley - add "U")

☐ deep vee

☑ symmetrical floodplain

☐ gorge

☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of

TALLY (use DIT) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = use only if

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,NO,RS,RI,PC,BM,EM*	NO	NO	RS	RS	RS	NO	PC	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK one only (predominant shape)										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FI, OV, EL, SP, CU, FO, IR, Others - note*										
Flow type * *FF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	TR	NO	NO	NO	NO (TR)
RIGHT BANK TICK if fractional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	NO	NO	RS	NO	NO	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	TL
LEFT BANK TOP *(structure within 1m)* BA/US/C	U	C	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/US/C	S	S	C	S	S	U	U	U	U	S
RIGHT BANK FACE *(structure)* BA/US/C	C	S	S	S	U	U	U	U	U	U
RIGHT BANK TOP *(structure within 1m)* BA/US/C	U	S	S	S	S	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	RD	TL	SC	SC	IG	IG	RD	RD	SC

G CHANNEL VEGETATION TYPES *(for each vegetation type, tick if >33% of area, or tick if present but <33%)*

NONE / PLANT GENERA - list first 5		✓								✓
Bryophytes/lichens										
Emerg broad-leaved herbs Sparganium sp	✓		✓	✓	✓					✓
Emerg reeds/sedges/rushes Typha, Juncus			✓	✓	✓		✓	✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved Ranunculus										
Filamentous algae	✓				E	E	✓	✓	✓	✓ E

SITE NO. 7092 1996 RIVER HABITAT SURVEY 200m SWEEP UP Page 3 of 4

H LAND USE WITHIN 5m OF BANKTOP *(for each use, tick if >33% of site, or tick if present but <33% of site)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		✓
Scrub *(SC)*	✓	✓	Open water *(OW)* (Artificial lake)		✓
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)* (STW)		E

I BANK AND SIDE MODIFICATIONS *(for each, tick if >33% of site, or tick if present but <33% of site)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	✓	
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES AND OCCURRENCE

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK / STAGNANT

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one mid-point cross-section, preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.8	Banktop width (m)	5.5	Banktop height (m)	0.8
Embanked height (m)	—	Water width (m)	4.0	*Embanked height (m)*	—
		Water depth (m)	0.25		

If trashline lower than banktop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES *(tick all appropriate box(es))*

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = 2 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☑ Blackwater SSSI
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

Q NOTABLE NUISANCE PLANT SPECIES *(if >33% bankside)* / IFE NOTE 2 RUE STANDS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping (litter) sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations.

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7093

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 14.5.1996 Time: 11:39 Surveyor name G Follett Accreditation code PF10

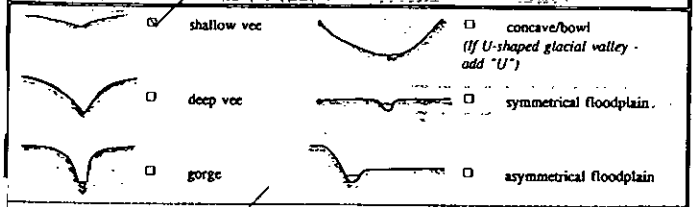
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ///) for · Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* — one entry only

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *WW,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO									
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	SC	NO	SB/SC		SC		EC	EC	NO	EC	SC
CHANNEL *(NEW - definitions above)* — *Flat Water Depth at the most central point in the channel*										
Channel substrate *BE,BO,CO,GP,SA,SI,CL,PE,AR*	SA	SA	SI							
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NO									
Flow type *FF,CH,RW,UW,CF,RP,UP,SM,WP,NO*	SM									
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO									
Channel feature(s) *WV,NO,RO,MB,VB,MI,TR*	NO									
RIGHT BANK TICK if fractional fence										
Material *WW,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA									
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO									
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO			EC			NO	EC	SC	SB

F BANKTOP LAND USE AND VEGETATION STRUCTURES *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG								
LEFT BANK TOP *(structure within 1m) B/U/S/C*	U								
LEFT BANK FACE *(structure) B/U/S/C*	U	U	B	B					
RIGHT BANK FACE *(structure) B/U/S/C*	U	→	B	B					
RIGHT BANK TOP *(structure within 1m) B/U/S/C*	U			→	S	U			
LAND USE WITHIN 5m OF BANK TOP (R)	IG								

G CHANNEL VEGETATION TYPES *(10m wide transect - % cover; 5-25% sparse) or tick (present) 50m*

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens | SPHAGNUM									
Emerg broad-leaved herbs | ALGAE									
Emerg reeds/sedges/rushes | PHRAGMITES	✓	E	E	E	E	A/E	E	E	E
Floating-leaved (rooted) |									
Free-floating |									
Amphibious |		✓	E						
Submerged broad-leaved |									
Submerg fine/linear-leaved |	✓	✓	✓	✓	✓				
Filamentous algae |	✓	✓	✓	✓	✓	✓	✓		

7093

1996 RIVER HABITAT SURVEY: 500m SWEEP UP

SITE NO.

H LAND USE within 50m CORRIDOR (Tick all that are present)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub (SC)			Open water *(OW)*		
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE (Tick all that are present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reactioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K EXTENT OF RIFFLES AND OTHER FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(in metres to one decimal place)*

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.6	Bankfull width (m)	5.5	Bankfull height (m)	1.0
Embanked height (m)		Water width (m)	2.5	*Embanked height (m)*	
		Water depth (m)	0.4		

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NUISANCE/DOMINANT PLANT SPECIES *(tick all that are present)* — NOTE ANY LARGE STANDS of other sp

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = ADJACENT PASTURE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with life-models for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7096

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 798 903 River: Ffrwd Mynie

Date: 4 / 5 /1996 Time: 12.45 Surveyor name MG Accreditation code. PFBS

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(minimum length 5m)*

Riffles 18 Unvegetated point bars 4

Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles |||| |||| ||| Pools | Unveg. side bars |||| Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10 m length (spanned) at each spot check)*

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP TO STICK										
Material *(BY,BE,BO,CO,CS,EA,PE,CL,CC,SP,WT,GA,BA,RA,BW)*	CO	CO	EA	CO	CO	EA	EA	CO	CO	CO
Bank modification(s) *(NE,NO,RS,RI,PC,BM,FM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	SP	NO	SC	NO	CO	NO	SC	NO	SB
CHANNEL										
Channel substrate *(BY,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - note)*	IR	IR	IR	IR	IR	PO	PO	R	IR	IR
Flow type *(FF,CH,BW,UW,CF,RP,UP,SM,MP,NO)*	RP	RP	SM	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	BA	NO	NO	NO	NO	RO	RO
RIGHT BANK-TOP TO STICK *(if functional fence)*										
Material *(BY,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BA,RA,BW)*	CO	BO	CO	CO	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,FM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	SB	NO	NO	NO	PB	NO	SB	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m width (transect))*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m) B/U/S/C*	U	S	S	S	S	S	S	S	C	S
LEFT BANK FACE *(structure) B/U/S/C*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure) B/U/S/C*	S	B	S	S	S	S	S	U	S	U
RIGHT BANK-TOP *(structure within 1m) B/U/S/C*	S	S	S	S	S	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	IG	IG	BL	BL	RP	IG	IG	BL

G CHANNEL VEGETATION TYPES *(within 5m of banktop)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens Fontinalis		✓								
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae Filamentous algae	✓	✓		F	✓	✓	F	✓	✓	F	✓

SITE NO. 7096 — 1996 RIVER HABITAT SURVEY: SIDE CHANNELS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(to be assessed over 100m)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		F	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	SE
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANKSIDE MATERIALS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Gentle	E ✓	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boul(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one representative (preferably straight) section of the site)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.80	Banktop width (m)	8.0	Banktop height (m)	0.75
Embanked height (m)		Water width (m)	7.0	*Embanked height (m)*	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL MODIFICATIONS *(within 100m of site)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(within 100m of site)*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(within 100m of site)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS *(within 100m of site)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle Rhododendron bracken

R OVERALL IMPACTS *(within 100m of site)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree lined river in wooded valley.

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with link to Geology, Land Resources and Fenland Survey

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7097

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 880988 River: Llynfi

Date: 4/5/1996 Time: 15:00 Surveyor name: MG Accreditation code: PF55

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SUMMARY OF TIMES SPOT CHECKS AND POINTERS (Minimum of twenty)

Riffles 34 Unvegetated point bars 1

Pools 13 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use JIII) for - Riffles IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII Unveg. side bars I Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel width (a 5m wide transect) at each spot check)

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if human influence										
Material [1] *WV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	PE	PE	CA	EA	CA	EA	EA	EA	EA	BO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [2] *WV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	PI	PE	GR	SA	GP	GP	GP	GP	CC	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	IR	NA	IR	IR	IR	IR	IR	IR
Flow type [3] *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	RP	SM	RP	SM	RP	RP	SM	SM	UW	UW
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional fence										
Material [1] *WV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	PE	PE	EA	EA	EA	EA	EA	EA	EA	CC
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	EC	EC	EC	EC	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 5m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	U	S	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	S	U	S	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

VEGETATION TYPES (to be assessed over a 5m wide transect)

NONE / PLANT GENERA - list first 5										
	✓	/	✓	✓	✓	✓	-	✓	✓	✓	-
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

SITE NO. 7097 1996 RIVER HABITAT SURVEY: 500m SWEEP UP

LAND USE WITHIN 50m OF BANKTOP (TICK one box(es))

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*	E	E	Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reactioned		
Vertical + toe			Reinforced - whole bank		
Sloping (>45°)			Reinforced - top only		
Rustic	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

ACCOUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

INSTREAM HABITAT FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle - Glide - Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS (to be assessed at the mid-point of each spot check transect)

LEFT BANK		Banktop width (m)	0.75	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	0.75	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES (to be assessed over a 5m wide transect)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT (to be assessed over a 5m wide transect)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST (to be assessed over a 5m wide transect)

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state)

CHOKED CHANNEL (to be assessed over a 5m wide transect)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS (to be assessed over a 5m wide transect)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL IMPACTS (to be assessed over a 5m wide transect)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Moorland stream near to headwater. Two smaller sized streams join u/s of spotcheck 6 + measurement site.

ALDERS (to be assessed over a 5m wide transect)

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: with full counts for plants, genera and features — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B DETAILED SURVEY DETAILS

Reference network site number: 7098

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 930966 River: Pose

Date 14/5/1996 Time: 17.20 Surveyor name MG Accreditation code PFGS

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(for mid-site 500m)*

Riffles 2 Unvegetated point bars 0

Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: with SPOT CHECKS — Page 2 of 4

TALLY (use Jiff) for - Riffles | Pools | Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 4 m wide transect) at one cross-section*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RS,RW*	EA	BE	EA	EA	EA	EA	CO	BO	EA	BO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	NO	NO	NO	NO	NO	SC	NO
CHANNEL										
Channel substrate *1 NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	BE	BE	BE	PE	BE	BO	CO	CO	BO	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	CU	IR	FL	FL	FL	IR	IR	IR	FL	OV
Flow type *1 FF,CH,RW,UW,CF,RP,UP,SH,NP,NO*	UW	FF	CH	NP	FF	UW	RP	RP	RP	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	RO	RO	RO	NO	NO	RO	RO	RO	RO	RO
RIGHT BANK - STICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RS,RW*	BE	BE	BE	EA	EA	EA	EA	BO	EA	BO
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	NO	NO	NO	NO	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	S	S	S	S	U	S
LEFT BANK FACE *(structure)* B/U/S/C	S	U	S	S	S	U	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	U	U	S	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

G PLANT SPECIES *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
NONE	✓	✓	✓	✓	✓	✓			✓		✓
Bryophytes/lichens							✓	✓		✓	✓
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

SITE NO. 7098

1996 RIVER HABITAT SURVEY: 500m SWEEP UP — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply to the site)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*	E	E	Wetland (eg bog, marsh, fen) *(WL)*		
Scrub (SC)			Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K EXTENT OF IN-CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Cascade - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at a single representative cross-section preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.80	Banktop width (m)	0.60	Banktop height (m)	0.70
Embanked height (m)		Water width (m)	0.60	*Embanked height (m)*	
		Water depth (m)	0.10		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL STRUCTURES *(within 50m of bankside)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(within 50m of bankside)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(within 50m of bankside)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE INFLUENCE *(within 50m of bankside)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R WEATHER AND SITE CONDITIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Steep, fast flowing stream through moorland at head of stream.

S ALDERS *(Occurrence within 50m of bankside)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7103

Mid-site grid reference if network site if different from designated location:

Grid Reference: ST 452972 River: MOUNTON BROOK.

Date 25/7/1996 Time: 12.00 Surveyor name N. GRIEVE Accreditation code. PF12.

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box in each)*

☐ shallow vee (mostly!) ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(include 'intermittent')*

Riffles 20 Unvegetated point bars

Pools 15 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT-CHECKS Page 2 of 4

TALLY (use 1/5's) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)*

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(looking downstream)*										
Material *	EA	SX	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RC	NO	RC	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	NO	NO	NO	NO	NO
CHANNEL *(tick if present)*										
Channel substrate *	GP	SA	CO	CO	GP	SI	SI	CO	CO	CO
Substrate shape	RD	IR	RD	RD	RD	NA	NA	RD	RD	RD
Flow type *	UW	CH	UW	UW	UW	SM	SM	UW	CH	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	VB	NO	NO	RO	RO	NO	NO	NO	RO	RO
RIGHT BANK *(looking downstream)*										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO	RC	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	NO	SB	NO	NO	NO

(188)

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over 5 m, wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	BL	BL	BL	BL	SC
LEFT BANK-TOP *(structure within 1m)*	U	U	U	U	S	S	S	C	C	S
LEFT BANK FACE *(structure)*	S	U	S	S	S	S	S	S	C	C
RIGHT BANK FACE *(structure)*	S	S	C	S	S	S	S	C	C	C
RIGHT BANK-TOP *(structure within 1m)*	U	S	C	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	SC	IG	IG	TL	TL	IG	IG	IG

G CHANNEL VEGETATION TYPES *(% cover in each column)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	E	E ✓
Emerg broad-leaved herbs Berula Rorip	E	✓	✓							✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious Veron-a		✓								✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7103 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(use 1/5's to estimate %) of 'if present'*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		✓
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' rank vegetation (TH)	✓		Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	✓
			Embanked		
			Set-back embankments		

J ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	☐
Continuous	☐	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	☐	☐	✓	Exposed bedrock	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	☐	✓	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	☐	✓	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: LOW. RIFFLE - CASCADE-POOL

SITE NO. 7103 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 4 of 4

H LAND USE WITHIN 50m OF BANKTOP (use 1/5's to estimate %) of 'if present'

I BANK PROFILE

J ASSOCIATED FEATURES

K CHANNEL FEATURES

Indicate predominant flow sequence *(select up to three features)*: LOW. RIFFLE - CASCADE-POOL

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7105

Mid-site grid reference of network site if different from designated location:

Grid Reference: 683773 River: LITTLE AVON RIVER

Date 6/5/1996 Time: 3.00 pm. Surveyor name Ian Harris Accreditation code BF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS - Page 2 of 4

TALLY (use ⫽) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* - one entry only

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material [1] *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,BA,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	SC	NO	NO	SC	NO	SC	NO
CHANNEL OF FLOW - substrate, shape, code etc.										
Channel substrate [1] *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	CL	CL	CL	NV	NV	NV	GP	CL
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	-									
Flow type [1] *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	RP	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence					✓	✓	✓	✓	✓	✓
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,BA,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	SC	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	C	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥ 33% cover) or tick (present) for each box)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs			✓			✓				
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓		✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious						✓			✓	
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae										

SITE NO. 7105 1996 RIVER HABITAT SURVEY 200 SWEEP UP - Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK CONSTRUCTION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K POTENTIAL INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature inland(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES - Page 4 of 4

L CHANNEL DIMENSIONS *(measured at the mid-point of the mid-section of the reach - preferably across a riffle)*

LEFT BANK		Banktop width (m)	10.0	RIGHT BANK	
Banktop height (m)	3.0	Water width (m)	6.0	Banktop height (m)	3.0
Embanked height (m)		Water depth (m)	0.6	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 8

Bed material at site is:- consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(tick one box per column)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es) - 'Present' for LARGE STANDS of others eg Nettle)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = AGRICULTURE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
FILLED WITH 6/7 DUCK LINKS

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY worldwide model for plant genera and licensing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7106

Mid-site grid reference of network site if different from designated location:

Grid Reference: 730931 River:

Date 6.5./1996 Time: 4.45 pm. Surveyor name I.a. Heins Accreditation code. PF36

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ✓ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	✓	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	6	Unvegetated point bars	0
Pools	2	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use BF) for - Riffles IIII Pools / Unveg. side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect) (tick one entry only)*

Spot check 1 is: upstream ✓ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if continuous										
Material *(IN,BE,BO,CO,CS,AA,PE,CL,CC,ST,WF,GA,BA,SH,AR)*	EA	EA	EA	BR	BR	EA	EA	EA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,EM)*	RS	RS	RS	RI	RI	RS	RS	RS	RS	RS
Bank feature(s) *(NV,MO,EC,SC,PB,VP,SB,VI)*	SC	EC	NO	SC	SC	NO	SC	SC	SC	NO
CHANNEL *(Subscript: Bank(s) added to)*										
Channel substrate * *(BE,BO,CO,CP,SA,SI,CL,PEAR)*	CL	CL	NV	NV	CO	CO	CO	GP	NV	GP
Substrate shape *(1, CN, CL, SP, CU, PO, IR, Others - use)*										
Flow type * *(FT,CH,BW,UW,CF,BP,UP,SM,NP,NO)*	SM	SM	SM	CF	RP	UW	UW	RP	RP	RP
Channel modification(s) *(NE,MO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,MO,BO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *(NE,BE,BO,CO,CS,AA,PE,CL,CC,ST,WF,GA,BA,SH,AR)*	EA	EA	EA	CL	EA	EA	EA	CA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,EM)*	RS	RS	RS	NO	RS	RS	RS	RS	RS	NO
Bank feature(s) *(NV,MO,EC,SC,PB,VP,SB,VI)*	SB	NO	NO	PC	NO	NO	NO	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	SC	BL	BL	SC	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/UR/C	S	S	S	S	C	C	S	C	S	S
LEFT BANK FACE *(structure)* BA/UR/C	S	B	S	S	U	C	C	S	C	S
RIGHT BANK FACE *(structure)* BA/UR/C	S	S	S	B	S	S	S	S	C	S
RIGHT BANK-TOP *(structure within 1m)* BA/UR/C	S	C	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect: E (≥33% area) or tick (present) for each genus)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens							✓			✓
Emerg broad-leaved herbs			✓	✓		✓	✓	✓		
Emerg reeds/sedges/rushes	E									
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓			✓						
Submerged broad-leaved										
Submerg fine/linear-leaved										✓
Filamentous algae		✓	✓	✓	✓			✓	✓	

SITE NO. 7106 1996 RIVER HABITAT SURVEY 500m SURVEY

I LAND USE WITHIN 50m OF BANKTOP (Tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		✓
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs* and vegetation *(TH)*			Suburban/urban development *(SU)*		

J BANK SIDE CHARACTER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	
Sheep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only	✓	✓
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

K EXTENT OF TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed buttress roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

L PHYSICAL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☐	✓	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	☐	✓	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	☐	✓	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	☐	✓	☐
Boil(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - RUN - GLIDE

1996 RIVER HABITAT SURVEY DIMENSIONS AND JUNCTIONS Page 4 of 4

M CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	5.5	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*	

If trashline lower than banktop break is slope, indicate: height (m) = 1.0 width(m) = 6.0

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

N HYDROLOGICAL FEATURES

None ☐ Number of Orverts = Weirs = 2 Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ✓ >33% of site ☐

O EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State: .....

P FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

Q CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

R STANDARD NUISANCE PLANT SPECIES *(Tick all that apply)* SIZE OF LARGEST STANDS *(Code)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

S LAND USE ACTIVITIES *(within 500m of site)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very interesting stretch - waterfalls, pooled areas, large debris dams & fallen trees (surfing)

T ALDER *(tick appropriate box(es))*

Alder? None ☐ Present ✓ Extensive ☐ Diseased Alder? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE floods for plant genera and percent — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7107

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 7/5/1996 Time: 3 pm Surveyor name Lou Harris Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 — Unvegetated point bars 0

Pools 1 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of 4

TALLY (use Iiff) for - Riffles 1 Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, within a 1m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/wall										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	BR	BR
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	NO	NO	RS	RS	RI	RI
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	VS	VS	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *Spot check 1 is: upstream ☑ downstream ☐*										
Channel substrate *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	SI	SI	CO	NV	NV	NV	NV	CO	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*										
Flow type *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	SM	SM	NP	NP	NP	FF	UW
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	RS	NO	NO	NO	DA	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	VB	NO	NO	NO	NO
RIGHT BANK TICK if fenced/wall										
Material *NV,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	CC	EA	EA	EA	EA	BR	BR
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RI	NO	RS	RS	RS	RI	RI
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	EC	VS	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SU	SU	SU	SC	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m) BF/US/C*	S	S	S	S	S	S	S	B	B	S
LEFT BANK FACE *(structure) BF/US/C*	S	S	S	S	S	S	S	S	B	S
RIGHT BANK FACE *(structure) BF/US/C*	S	S	S	B	S	S	C	S	U	S
RIGHT BANK-TOP *(structure within 1m) BF/US/C*	S	S	S	B	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	OW	SC	SC	SC	SC	BL	BL	BL	SU	SU

G CHANNEL VEGETATION TYPES *(10m wide transect) TICK one box per line (presence) and/or tick (present) 50m channel all*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓	✓			✓		
Emerg broad-leaved herbs		✓	✓	✓	✓	✓	✓	✓		
Emerg reeds/sedges/rushes		✓		✓	✓	✓	✓	✓		
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad-leaved		✓								
Submerg fine/linear-leaved			✓							
Filamentous algae		✓	✓	✓		✓	✓	✓	✓	✓

SITE NO. 7107 — 1996 RIVER HABITAT SURVEY SWEEP UP CHECKS — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub (SC)	E	E	Open water *(OW)*		✓
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*	E	E

I BANK PROFILES *(tick all that apply)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)			Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PERCENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

K PERCENT OF OTHER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☐	☑	☐

dicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY SEDIMENTS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed over a 10m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	3.25	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	2.5	*Embanked height (m)*	
		Water depth (m)	0.2		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIALISATION

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☑

N EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Enhancement ☐ Other ? State SEE BELOW

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER CONDITION

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - Heron grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Whole area actively managed by Hornsby (Rusty) Hillocks (See photos) Fish farming @ top half. Different large lake @ Bottom end. Area for macrophytes, Sand voles, otters etc etc. Totally artificial area & is managed for benefit of wildlife & for grazing from Public allowed in area

S ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with HER mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7108

Mid-site grid reference of network site if different from designated location:

Grid Reference: 962922 River:

Date 7.5./1996 Time: 9.15 am. Surveyor name Ian Heins. Accreditation code PF36

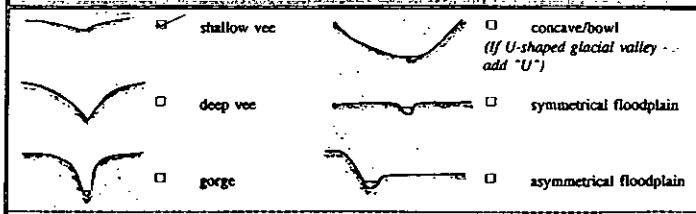
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINTBARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10 m wide transect)*

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(tick if fencing)*										
Material *WW,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RR,BW*	BR	BR	EA	BR	EA	EA	BR	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	RI	RI	RS	RI	RS	NO	RI	RS	RS	RS
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *WV,BE,BO,CO,OP,SA,SI,CL,PE,AR*	GP	CO	GP	GP	CL	CO	CO	CL	CL	CL
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*										
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	RP	NP	NP	RP	SM	SM	SM	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,NO,BO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if fencing*										
Material *WW,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,SR,RR,BW*	EA	EA	EA	EA	EA	EA	BR	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	RS	RS	RS	RS	RS	RS	RI	RS	RS	RS
Bank feature(s) *WV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	SC	SC	CP	CP	CP
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE *(structure)* *B/U/S/C*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	S	S	S	S	S	S	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	S	S	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	SC	SC	SC	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect - 0.5 m each side and in-stream)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens						✓	✓			✓
Emerg broad-leaved herbs				✓	✓	E	✓	✓	E	✓	✓
Emerg reeds/sedges/rushes		✓	E							✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓						✓		✓	✓
Submerged broad-leaved						✓		✓	✓	✓
Submerg fine/linear-leaved				✓	✓					✓
Filamentous algae	E	E	E	E	E	E	E	E	✓	E	E

1996 RIVER HABITAT SURVEY - SITE NO. 7108 — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick one box per column)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*	✓		Tilled land *(TL)*	E	E
Moorland/heath *(MH)*	—		Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	E	Open water *(OW)*		
Tall herbs* rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILES *(tick one box per column)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K WATER FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature inbank(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features):*

1996 RIVER HABITAT SURVEY - DIMENSIONS AND JUDGEMENTS — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at a representative section of the site)*

LEFT BANK		Banktop width (m)	1.6	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	1.0	Banktop height (m)	0.8
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q RIVERBANK NUISANCE PLANTS *(to be recorded on riverbank and floodplain)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = Agriculture

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ~200 m section R-bank (Sketch 3-5) of newly planted (2-3yo?) alder saplings - not yet big enough to be classed as BT. Will be a while. Extensive algae throughout - some places blocking downstream!

S NOTES

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (SHEET 1 of 4) — Site 7115

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7115

Mid-site grid reference of network site if different from designated location: SU 671953 (Moved) to avoid Garden at owners request !)

Grid Reference: SU 672952 River: CHALGROVE BROOK.

Date 30/5/1996 Time: 11.15 Surveyor name N.CRIEVE Accreditation code PF1Z

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate additional number)

Riffles 9 Unvegetated point bars

Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

(R) Mrs Pearson > Requests RHS '94 '95 Report.....
Mill Farm
Cuxham OX9 5ND.

1996 RIVER HABITAT SURVEY (SHEET 2 of 4) — Site 7115

TALLY (use flat) for - Riffles NU 11 Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material [1] *NY,BE,BO,CO,GR,EA,PE,CL,CC,SP,WP,GA,BR,RB,BW*	EA	EA	EA	SA	EA	EA	EA	SA	BR	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RS	RS	PC	PC	NO	NO	RI	NO
Bank feature(s) *NY,NO,EC,SC,PB,VP,SB,VS*	SC	VS	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [1] *NY,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	SI	GP	GP	GP	GP	SI	AR	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	IR	IR	/	IR	IR	IR	IR	/	/	IR
Flow type [1] *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	UW	UW	SM	UW	UW	UW	UW	SM	CH	UW
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	RS	NO
Channel feature(s) *NY,NO,RO,MB,VB,MI,TR*	NO	"	NO	NO	NO	NO	NO	NO	NO	VS
RIGHT BANK *(looking downstream)*										
Material [1] *NY,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,RB,BW*	EA	"	EA	SA	EA	EA	EA	EA	BR	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	"	NO	NO	NO	NO	NO	RS	RI	NO
Bank feature(s) *NY,NO,EC,SC,PB,VP,SB,VS*	NO	"	NO	NO	NO	NS	SC	NO	NO	VS

F BANKTOP, LAND USE AND VEGETATION STRUCTURE (Use numerical form: 1 for wide, trace for 0)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TL	TL	IA	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	C	S	S	B	U	S	S	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	S	C	C	C	C	S	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	IG	IG	IG	IG	IG	BL	BU	SU	SU

G PLANT SPECIES (Use numerical form: 1 for wide, trace for 0)

NONE / PLANT GENERA - list first 5			✓	✓						✓
Bryophytes/lichens	✓							✓	✓	✓
Emerg broad-leaved herbs Epilobium Apium	✓	E			✓	✓	✓	✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious Veronica sp Mentha sp		✓			✓	✓				✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae					✓				✓	✓

SITE NO. 7115 — 1996 RIVER HABITAT SURVEY (SHEET 3 of 4)

H LAND USE WITHIN 50m OF TOP OF BANK (Use numerical form: 1 for wide, trace for 0)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	E	
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)		✓	Suburban/urban development *(SU)*		✓

I BANK CONSTRUCTION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		✓
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal dead-water	☐	☒	☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☒	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

dicate predominant flow sequence *(select up to three features)*: LONG RIFFLE

1996 RIVER HABITAT SURVEY (SHEET 4 of 4) — Site 7115

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	3.75		
Banktop height (m)	0.8	Water width (m)	2.35	Banktop height (m)	0.95
Embanked height (m)	/	Water depth (m)	0.1	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.25 width(m) = 2.4

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = | Weirs = | Outfalls = Fords =
Footbridges = | Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N RIVERSIDE PRESENT LAND USE

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O OBSTRUCTIONS TO FISH MOVEMENT

None ☐
Waterfalls > 5m high ☐
Braided/side channels ☐
Debris dams ☒
Leafy debris ☐

Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐

Bog ☐
Carr ☐
Marsh ☐
Flush ☐
Other (state) . . .

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q PROBLEM/NUISANCE PLANT SPECIES

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction (mill) dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Fairly straight channel - prob. artificial! Long riffles, RS banks in past.

S ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7117

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 868926 River: WYE

Date 30.5.1996 Time 14.30 Surveyor name N. GRIEVE Accreditation code PE 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ coocave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND ON THIS SURVEY *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use JBT) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☐ downstream ☒	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *NV,BE,BO,CO,GE,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	SP	SP	SP	GA	CC	CC	CC	BR	/	/
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	RI	RI	RI	RI	RI	RI	RI		
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO		
CHANNEL										
Channel substrate * *NV,BE,BO,CO,OP,SA,SI,CL,PE,AR*	SP	SP	SP	GA	SI	SI	SI	SP	D	D
Substrate shape *FL,CV,EL,SP,CU,FO,IR, Others - note*	NV	NV	NV	IR	/	/	/	IR	S	S
Flow type * *FF,CH,RW,UW,CF,RF,UP,SM,WP,NO*	NP	UP	NP	NP	NP	UP	UP	NP	L	L
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	ES	ES
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	T	T
RIGHT BANK										
Material *NV,BE,BO,CO,GE,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	CC	CC	CC	CC		
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	RI	RI	RI	RI		
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SC	NO	NO		

BANKTOP AND LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	B	B	B	U	U	U	U	B		
LEFT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	B	B		
RIGHT BANK FACE *(structure)* B/U/S/C	S	C	S	C	B	B	B	B		
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	U	U	U	U		
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	IG	IG	IG	IG	SU	SU

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium									
Emerg reeds/sedges/rushes	Carex glycaria									N +
Floating-leaved (rooted)										N +
Free-floating										
Amphibious	Myosotis	Veronica b.	Caltha pal.	Lythrum						N +
Submerged broad-leaved										
Submerg fine/linear-leaved	Hippuris vulg.	+ Callitriche								
Filamentous algae										E

+ All these spp. have been planted at u/s end of survey reach.

SITE NO. 7117

1996 RIVER HABITAT SURVEY: LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' root vegetation (TH)			Suburban/urban development *(SU)*	E	E

BANK AND BANKSIDE FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☒	☒ (mostly)
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

WATER FEATURES AND STAGNANT FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Standing deadwater	☒	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☐	☒	☐	Mature island(s)	☐	☒	☐ (ARTIFICIAL)
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK / STILL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS *(to be measured at a representative riffle section, preferably downstream)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.15	Banktop width (m)		Banktop height (m)	0.15
Embanked height (m)		Water width (m)	38.0	*Embanked height (m)*	
		Water depth (m)	NK		

If treeline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = 2 Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☒ ? Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT OF RIVER CHANNEL AND BANKSIDE

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

NATURAL FEATURES AND LAND USE INFLUENCES

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? (RS MODIFICATION)

Land Management: set-aside - buffer strip - headland - abandoned land (parkland) MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - sand martin - heron - dragonflies/damselflies
Roach, Dace, Gudgeon!
Other significant observations: + Swans, Mallards, Tufted etc
Very Artificial channel: Widened, now more a parkland lake! However, also has v. clear Spring water + Extensive vegetation.

WATER QUALITY

Algae? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7119

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 064955 River: CHESS

Date 16.5.1996 Time 16:40 Surveyor name(s) GRIEVE Accreditation code: PE12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ †symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 2	Unvegetated point bars
Pools 1	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

† NB Water level higher than ground on LHB (ex Watercress beds)

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of 4

TALLY (use diff for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only.

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (fractional) fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BA(EM)*	RS	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ...NEW - authority shape codes etc	(Flat Ovoid Elliptical Trapezoidal Rectangular Other - note)									
Channel substrate ' *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	GP	SA	GP	GP	GP	GP	GP	GP
Substrate shape *FT,DV,EL,SP,CU,PO,TR, Others - note*			OV		OV	OV	ER	OV	OV	OV
Flow type ' *FF,GH,RW,UW,CF,RF,UP,SM,NP,NO*	SM	SM	SM	SM	SM	RP	RP	RP	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,EO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MR,VR,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (fractional) fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	BR	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,RM,EM*	PC	EA	EA	EA	EM	EA	EM	EM	EM	EM
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	PP	RD	IL	IL	IL	IL	IG	IG
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	U	S	B	B	B	B	S	S
LEFT BANK FACE *(structure)* *B/U/S/C*	U	S	S	U	S	S	U	U	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	S	S	U	U	S	S	U	U	S	U
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	S	U	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IL	BL	IL	IL	IL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; E.g. 5% (% area) or tick (present) 50% (% cover) 5%)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓									✓
Emerg broad-leaved herbs (Sparganium 10, Epilobium 10)	✓	✓		✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes (Phragmites 10, Typha 10)	✓	✓	✓	✓	✓			✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious (Berula 10, Sparganium 10)	✓		✓							✓
Submergent broad-leaved (Ranunculus 10, Sparganium 10)										
Submerg fine/linear-leaved (Ranunculus 10, Callitriche 10)					✓	✓	✓	✓	✓	✓
Filamentous algae										

NOTE Fish + Snail ... [illegible]

1996 RIVER HABITAT SURVEY SPOT SWEEPS — Page 3 of 4

SITE NO. 7119

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*	✓	
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	✓	✓

I BANK CONSTRUCTION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging bougls	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bowl(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE (+ RUN) (+ POOL)

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	7.2	Banktop height (m)	0.6
Embanked height (m)		Water width (m)	6.8	*Embanked height (m)*	
		Water depth (m)	0.35		

If trueblue lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M WATER QUALITY NOTES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☑ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☑
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land (parkland) - MoD - other? = Q LHB

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Land along LHB & Top ½ = Old watercress beds which are now being returned to grassland.

S ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7125

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 21/.../1996 Time: 0955 Surveyor name JJC Accreditation code. [illegible]

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* ....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IPE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IPE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	2	Unvegetated point bars	—
Pools	—	Vegetated point bars	4

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles || Pools Unveg. side bars Veg point bars ||||

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* = one entry only

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	C	SC	NO	NO	VS	VS	SC	NO	SC	NO
CHANNEL NEW - substrate shape codes *Silt,Clay Sand Gravel Cobble Pebble Bedrock Boulder Other - note*										
Channel substrate *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	GP	SP	GP	GP	CP	CP	GP	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	TC	NA	TR	[illegible]	NA	NO	NA	NA	SP	NA
Flow type *FF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	FP	SM	SM	CF	SM	RP	SP	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	VS	SC	NO	VS	SC	SC	NO	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TH	TH	TH	TL	TL	TH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	S	U	U
LEFT BANK FACE *(structure)* B/U/S/C	U	U	U	S	U	U	U	S	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	S	U	U	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	SC	TL	TL	TL	TH	TL	TL	TL

G CHANNEL VEGETATION TYPES *(Use wide transect; E (≥ 33% area) or tick (present) 500m "catch-all")*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓		✓	✓	✓	✓	✓	✓		
Floating-leaved (rooted)									✓	✓
Free-floating										
Amphibious				✓				✓		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	✓	✓	✓	✓	✓		✓	✓

SITE NO. 7125 1996 RIVER HABITAT SURVEY: 500m SWEEP UP — Page 3 of 4

E LAND USE WITHIN 50m OF BANKTOP *(Use E (≥ 33% area) or tick (present) 500m "catch-all")*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs/ rank vegetation (TH)	E	E	Suburban/urban development *(SU)*		

F BANK PROFILES *(Use E (≥ 33% bank length) or tick (present) 500m "catch-all")*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K EXTENT OF CHANNEL FEATURES *(tick one box per feature)*

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features):* G1, G, [illegible]

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

I CHANNEL DIMENSIONS *(to be measured on one side on a straight and even section - preferably across a riffle)*

LEFT BANK		Banktop width (m)	4.0	RIGHT BANK
Banktop height (m)	0.35	Water width (m)	3.5	Banktop height (m) 0.35
Embanked height (m)		Water depth (m)	0.15	*Embanked height (m)*

If trathline lower than banktop break is slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(Tick one box; total number of ticked 'apparent' tally boxes)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State ....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)	
Braided/side channels ☐	Natural open water ☐	Carr ☐		
Debris dams ☐	Water meadow ☐	Marsh ☐		
Leafy debris ☐	Fen ☐	Flush ☐		

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *Use E (≥ 33% bank length)* IPE note LARGE STANDS of others

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle) E Rhododendron bracken

R OVERALL CHARACTERISTICS *(Circle appropriate words - add others as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole (kingfisher) - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7126

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: R Crouch

Date 3/9/1996 Time: 11:19 Surveyor name JJC Accreditation code. [illegible]

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ - symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 5's) for - Riffles | Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect) - 1 = one entry only*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *MV,BE,BO,CO,GS,BA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	CC	CC	CC	CL	CC	CC	CL	CL	CL	CL
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW substrate/shape codes										
Channel substrate *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	CO	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - new*	CU	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *FF,CH,SW,UW,CF,RP,UP,SM,MP,NO*	UW	RP	RP	RP	RP	RP	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *MV,BE,BO,CO,GS,BA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	CC	CC	CC	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	WL	WL	WL	WL	WL	LL	LL
LEFT BANK-TOP *(structure within 1m) BU/SC*	B	B	B	U	U	U	U	U	U	U
LEFT BANK FACE *(structure) BU/SC*	U	U	U	B	B	B	B	B	B	B
RIGHT BANK FACE *(structure) BU/SC*	U	U	U	B	B	B	B	B	B	B
RIGHT BANK-TOP *(structure within 1m) BU/SC*	B	B	B	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	WL	WL	WL	WL	WL	LL	LL

G CHANNEL VEGETATION TYPES *(10m wide transect: E (≥ 33% area) or tick (present). 50m 'catch-all')*

NONE / PLANT GENERA - list first 5			✓	✓	✓	✓	✓		✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/linear-leaved									
Filamentous algae	✓	✓	✓						

SITE NO. 7126 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(to be E (≥ 33% bank length) or tick (present))*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)* E	E	E
Scrub *(SC)*			Open water *(OW)*		
Tall herbs/ rank vegetation (TH)			Suburban/urban development *(SU)*	E	E

I BANK PROFILES *(NOTE - 2 tick boxes (L) & (R) if mixed)* *(E (≥ 33% bank length) or tick (present))*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K OCCURRENCE OF CHANNEL FEATURES *(tick one box per feature)*

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features):* Glide Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a straight uniform section, preferably across a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.6	Banktop width (m)	16	Banktop height (m)	2.5
Embanked height (m)		Water width (m)	4.8	*Embanked height (m)*	
		Water depth (m)	NR		

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(indicate total number of each appropriate box)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) E
Braided/side channels	☐	Natural open water	☐	Carr	☐ Self-sown
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *Use 0 or E (≥ 33% bank length)* IFE note LARGE STANDS of others

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(Circle appropriate words, add others as necessary)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
[illegible]

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: RE 7127

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Rayleigh Brook

Date 21/5/1996 Time: 12.11 Surveyor name JJC Accreditation code. PR43

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* ....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☑	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	0	Unvegetated point bars	0
Pools	0	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS — Page 2 of

TALLY (use HT) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* Tick only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional fence										
Material *SV,SI,SO,CO,GE,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	CC	CC	CC	CC	CC	CC	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RI	RS	RI	RI	NC	RI	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate ' *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GR	AR	AR	AR	AR	AR	AR	GP	GP	GP
Substrate shape *FL,OV,EL,SP,CU,PO,BL, Others - note*	NA	NA	NA	NA	NA	NA	NA	SR	SR	SR
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SM,MF,NO*	RP	RP	RP	RP	RP	RP	RP	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RI	RI	RI	RS	RS	RI	RI	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,WB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional fence										
Material *SV,SI,SO,CO,GE,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	CC	CC	CC	CC	CC	CC	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RI	RI	RI	RI	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	U	S	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	C	B	U	B	R	B	U	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	B	U	B	R	B	U	U	U	S
RIGHT BANK TOP *(structure within 1m)* B/U/S/C	B	B	B	B	B	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES *(in the grid, record 1 if 0-5% cover, 2 if 5-25%, 3 if 25-50%, 4 if 50-75%, 5 if 75-100%) or tick (present)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	✓	✓	✓	E	✓	E

SITE NO. 7127 — 1996 RIVER HABITAT SURVEY - 25m SWEEP-UP — Page 3 of 4

H LAND USE WITHIN 50 METRES OF BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	E	✓	Open water *(OW)*		
Tall herbs' *rank vegetation (TH)*			Suburban/urban development *(SU)*		E

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	✓	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

K CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Run

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFRASTRUCTURE — Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at a cross section preferably at site 'U')*

LEFT BANK		Banktop width (m)	5.0	RIGHT BANK	
Banktop height (m)	1.25	Water width (m)	1.0	Banktop height (m)	1.25
Embanked height (m)	—	Water depth (m)	0.03	*Embanked height (m)*	—

If trashline lower than banktop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = 44 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RECENT MAN-MADE MODIFICATIONS *(within last 5 years)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State ....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANTS *(list genera, record 1 if 0-5% cover, 2 if 5-25%, 3 if 25-50%, 4 if 50-75%, 5 if 75-100%) or tick (present)* LARGE STANDS IN METRES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OTHER ALTERATIONS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
Very small stream R1 through SU to [illegible]
Moderate flooding

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7128

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 930 986 River: UN-NAMED TRIB TO CROUCH

Date 8/5/1996 Time: 09:30 Surveyor name N GRIEVE Accreditation code. PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (6)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☒ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U.")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
T.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - 10m SPOT-CHECKS Page 2 of 4

TALLY (use JHT) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ! = osc entry only!

Spot check 1 is: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/wall	✓	✓	✓	✓	✓	✓				
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *(Note: for Spot Checks, Channel Substrate, Flow type, Channel modification(s) and Channel feature(s) are recorded for the whole channel)*										
Channel substrate ! *(NV,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - note)*										
Flow type ! *(FF,CH,BW,UW,CF,RP,UP,SM,NP,NO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	TR
RIGHT BANK TICK if fenced/wall	✓	✓	✓	✓	✓	✓				
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TH	TH	TL	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	S	S	U	U	U	U	C	S
LEFT BANK FACE *(structure)* B/U/S/C	S	U	U	U	U	S	U	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	U	S	S	S	S	U	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	C	C	C	C	U	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(Note: mark all types present (>33% area) or tick (present) when patch all 1m²)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5				✓	✓	✓				✓
Bryophytes/lichens	✓	✓				✓	✓	✓		✓
Emerg broad-leaved herbs *Epilobium sp*									✓	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			E						E	✓

SITE NO. 7128 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

H LAND USE WITHIN 5m OF BANKTOP *(Use 2nd letter if >33% area)* *(Tick if present)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)(ROAD)*	✓	

I BANK PROFILE *(Use 2nd letter if >33% area)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)		✓	Reinforced - top only		
Stable			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)* > SHADING FROM HEDGE : E

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☒	☐	☐
Cascades(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bend(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: PREDOMINANTLY DRY (95%)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at base flow, on a straight, uniform section preferably across a RIFFLE)*

LEFT BANK		Banktop width (m)	3.8	RIGHT BANK	
Banktop height (m)	1.1	Water width (m)	0.25	Banktop height (m)	1.1
Embanked height (m)		Water depth (m)	(DRY)	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 0.25 width(m) = 0.7

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) (SILT) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)* (DRY)

M ARTIFICIAL FEATURES *(tick appropriate box(es))*

None ☐ Number of Culverts = 1 Footbridges = 1 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☐ Dredging ☐ Mowing ☒ Weed-cutting ☐
Enhancement ☐ Other ? State → verge along road

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

Other (state)

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(Tick if present)* (Use IFE 2nd LARGE STANDS Codes)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other Nettle, Rhododendron bracken

R OVERALL RIVER CHANNEL STATISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Bird Hide in field.
Mostly RS Agricultural ditch, HEDGE along one bank.

S ALDERS *(tick appropriate box(es))*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 712 91

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 854 840 River: Nant Cringoober

Date 14/5/1996 Time: 10:00 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF POOLS AND POINT BARS *(within 500m stretch)*

Riffles 16 Unvegetated point bars 2

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 2 of

TALLY (use |||) for - Riffles |||| |||| |||| Pools Unveg. side bars || Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, with LB on left looking downstream)* — one entry only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BA,RR,RW)*	EA	EA	EA	CO	CO	RR	RR	RR	RR	RR
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	RI	NO	RI	RI	RI
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	SL	SL	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	CO	NV	SP	NV	CO	CO	CO	NV	CO
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - note)*	IR	IR	NA	PO	NA	PO	PO	IR	NA	PO
Flow type * *(FT,CH,BW,UW,CF,RP,UP,SM,MP,NO)*	RP	UW	RP	UW	UW	PO	SM	RP	SM	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	RI	RS	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES (looking downstream)										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BA,RR,RW)*	EA	EA	EA	EA	EA	RR	RR	RR	RR	RR
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	RI	RI	RI	RI	RI
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	SL	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide stretch)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU Note MI ⇒ mine area.

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	MI	MI	MI	MI	MI	MI	MI
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	C	S	B	B	B	S	U	S	
LEFT BANK FACE *(structure)* B/U/S/C	S	C	S	B	B	B	S	S	S	
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	B	C	B	S	S	S	S	
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	C	C	U	B	U	S	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	C	MI	MI	TH	TH	TH	TH	MI

G VEGETATION TYPES *(within 1m of bankface)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Equisetum									
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 712 1 — 1996 RIVER HABITAT SURVEY — SPOT CHECKS — Page 3 of

H LAND USE WITHIN 50m OF BANKTOP *(tick one box per column)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* *near vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK PROFILE *(tick one box per column)*

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Eroding/active		
			Set-back embankments		

J INCIDENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K INCIDENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle - Run - Glide

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1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES — Page 4 of

L CHANNEL DIMENSIONS *(to be measured where section is most representative of reach)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.7	Banktop width (m)	3.0	Banktop height (m)	0.9
Embanked height (m)		Water width (m)	3.0	*Embanked height (m)*	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within 50m of bankface)*

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(within 50m of bankface)*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State Grass cleared completely for mowing

O FEATURES OF CULTURAL INTEREST *(within 50m of bankface)*

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) . .
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(over the 500m stretch)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANT SPECIES *(within 50m of bankface)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? . Nettle Rhododendron bracken

R MAN-MADE AND NATURAL FEATURES *(within 50m of bankface)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Extensively reinforced stream channel through open pit coal mine area. Will be diverted to a temporary channel later in '96.

S ALDERS *(within 50m of bankface)*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with MIB, moss/algae, Limpets and Tanging) — Page 1 of 4

A BACKGROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7130

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 902 838 River: Ogmore

Date 13/6/1996 Time: 17.15 Surveyor name MG Accreditation code PF 65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate if estimated)

Riffles 7 Unvegetated point bars 1

Pools 0 Vegetated point bars 0

ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (CONTINUOUS SPOT CHECKS) — Page 2 of 4

TALLY (use ||||) for - Riffles ||| | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel)

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (TICK)										
Material *NV,BE,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,BB,RW*	CO	CO	PR	CO	CA	CO	BE	NV	NV	RR
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RI	NO	NO	NO	NO	NO	NE	RI
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	SB	SB	NO	NO	SB	NE	NO
CHANNEL										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	CO	CO	CO	NV	NV	CO	NV	NV	CO	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	OV	OV	OV	NA	NA	OV	NA	NA	OV	NA
Flow type * *FF,CH,RW,UW,CF,RP,UP,SM,MP,NO*	UW	BW	BW	RP	SM	CH	SM	RP	BW	MP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	DA	VG	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	RO	NO	NO	NO	VO	NO	RO	NO
RIGHT BANK TOP TICK if functional zone							✓			
Material *NV,BE,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,BB,RW*	CA	CO	BR	BR	CO	CO	CO	NV	CO	CA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RI	RI	NO	NO	NO	NE	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	SB	NO	NO	NO	NO	NO	NE	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	OC	BL	BL	BL	BL	BL	BL	BL	SU	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	U	S	S	S	C	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	U	S	B	S	S	S	U	S	S	B
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	B	B	S	U	S	S	C	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	U	S	S	U	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SL	BL	SL	TH	BL	SU	SU	SU

G CHANNEL VEGETATION CLASS (for each 10m section)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓		✓		✓		✓

1996 RIVER HABITAT SURVEY (SPOT CHECKS) — Page 3 of 4

SITE NO. 71

H LAND USE within 50m of BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)	✓		Suburban/urban development *(SU)*	E	E

I BANKTOP AND MARGIN MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	E	Reinforced - top only		
Gentle	E	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PERCENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K PERCENT OF RIVER CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Rapid, Run, Glide

1996 RIVER HABITAT SURVEY (DIMENSIONS AND INFLUENCES) — Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at bankfull on a straight uniform section/reach)

LEFT BANK				RIGHT BANK
Banktop height (m)	1.0	Banktop width (m)	13.0	Banktop height (m) 1.0
Embanked height (m)		Water width (m)	11.0	*Embanked height (m)*
		Water depth (m)	0.20	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (within and bordering the channel)

None ☐ Number of Culverts = Weirs = | Outfalls = Fords =
Footbridges = | Roadbridges = | Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT (within channel)

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF NATURAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☑ Other? Nettle Rhododendron bracken

R OVERALL HUMAN INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Dirty (sewage works U/S?) ... Suburban landscape of houses + grazing fields. (Note: Riparian >5m from water where present, but v. small)

S ALDERS (if applicable)

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7134

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 7/6/1996 Time: 12pm Surveyor name Lawton Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

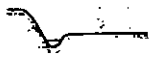

☐ shallow vee


☐ concave/bowl
(If U-shaped glacial valley - add "U")


☐ deep vee


☑ symmetrical floodplain


☐ gorge


☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS - Page 2 of

TALLY (use tff) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* — one tick only

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	WP	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS/EM	RS/EM	RS/EM	RS	RS/EM
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	C	C	C	C	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	B	S	S	S	S	C	C	C	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SC	IG	IG	SU	RP

G CHANNEL VEGETATION TYPES *(tick one box per column)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓		✓			✓		✓	
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓		✓	
Emerg reeds/sedges/rushes			✓	✓		✓		✓	✓	✓
Floating-leaved (rooted)						✓	✓	✓		
Free-floating										
Amphibious	✓		✓						✓	
Submerged broad-leaved										
Submerg fine/linear-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Filamentous algae				✓						

SITE NO. 7134 — 1996 RIVER HABITAT SURVEY - SIDE (LAND USE WITHIN 50m OF BANKTOP) - Page 3 of

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*	E	
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		E

H BANK FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		E
Vertical + toe			Reinforced - whole bank	✓	E
Steep (>45°)			Reinforced - top only		✓
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankments		

I FLOODPLAIN TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE (RIFFLE, POOL)

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES - Page 4 of

K CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	7.75	RIGHT BANK	
Banktop height (m)	/	Water width (m)	3.75	Banktop height (m)	1.0
Embanked height (m)	1.5	Water depth (m)	0.75	*Embanked height (m)*	1.5

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P PROBABLE NUISANCE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

Q OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

R ALDERS *(tick one box)*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY 1996 (mods for plant scores and fencing) Page 1 of 4

GROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7135

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 19/6/1996 Time: 4.30 pm. Surveyor name Lauttens. Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(in 500m)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO. 1996 RIVER HABITAT SURVEY SURVEY NO. Page 2 of 4

LAND USE AND LAND COVER

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)	✓	

BANK SIDES AND BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	E	
			Poached		
			Embanked	E	E
			Set-back embankments		✓

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Pollen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	B
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Brik(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	B (≥ 33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

RIVER HABITAT SURVEY 1996 SPOT CHECKS Page 3 of 4

TALLY (use ditto for - Riffles Pools Unveg. side bars Veg point bars

SPOT CHECK ATTRIBUTES

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
BANK ATTRIBUTES										
Material*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate*	CL	CL	CL	CL	CL	CL	CL	CL	SI	SI
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type*	SM	SM	SM	SM	SM	SM	SM	SM	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if functional)										
Material*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANKTOP, LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	IG	IG	IG	IG	IG	IG	RP	RP
LEFT BANK-TOP (structure within 1m) B/I/S/C	C	C	C	C	C	S	S	S	S	S
LEFT BANK FACE (structure) B/I/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/I/S/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) B/I/S/C	S	S	S	S	S	B	B	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
BANKSIDE VEGETATION TYPES										
NB 1 PLANT GENERA - list first 5										
Lycopsyte/lichens										
Emerg broad-leaved herbs									✓	✓
Emerg reed/sedges/rushes			✓			✓			✓	✓
Emerg sling-leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓	✓	✓		✓	✓		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	/	Banktop width (m)	5.8	Banktop height (m)	/
Embanked height (m)	1.5	Water width (m)	2.3	Embanked height (m)	1.6
		Water depth (m)	0.7		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = RAILWAY BRIDGE.
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EXTENT OF RECENT BANKSIDE MANAGEMENT

None ☐ Dredging ☑ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

ACCESS AND RECREATION

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nerin Rhododendron bracteatum

OTHER ASPECTS OF INTEREST

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7136

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS6837 River: (Alsance)

Date 30/4/1996 Time: 1710 Surveyor name I HARRIS Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 14 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use JHT) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel (within a 1m wide transect) ' = one entry only)*

Spot check 1 is: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	/	/	/	/	/	/	/	/	/	/
Material ' *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BA,BB,BW*	EA	EA	EA	EA	EA	EA	G	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	NO	NO	NO	RC	NO
Bank feature(s) *NV,NO,LC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL *NV=Not visible; Shape (Cross sec.)*	*UF=U or steep sided; SF=Shallow Flood; FO=Natural Floodplain; Other = note*									
Channel substrate ' *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	NV	GP	GP	GP	CO	CO
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	-	-	-	-	-
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SH,NP,NO*	SM	SM	SM	SM	SM	SM	UW	UW	SM	RI
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	/	/	/	/						
Material ' *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BB,BB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,LC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	U	C	C	C	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	C	C	U	S	B	B	B	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	U	U	S	S	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	U	U	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(If no wide transect: E if > 33% area, or tick (present) 50m each side)*

NONE / PLANT GENERA - list first 5							✓	✓	✓	E
Bryophytes/lichens										✓
Emerg broad-leaved herbs		✓	✓			✓				✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious					✓	✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	E					E

SITE NO. 7136 1996 RIVER HABITAT SURVEY with IFE mods Page 3 of 4

H BANKSIDE LAND USE (100m SWEEP)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' *note vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reactioned	E	E
Vertical + toe	✓	✓	Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K PRESENCE OF CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND IMPOUNDMENTS Page 4 of 4

L CHANNEL DIMENSIONS *(at or close to footbridge, if present)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.8	Banktop width (m)	1.7	Banktop height (m)	0.8
Embanked height (m)		Water width (m)	0.2	*Embanked height (m)*	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box (es))*

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State ..? HERBICIDE SPRAYING

O FEATURES OF SPECIAL INTEREST *(tick appropriate box (es))*

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box (es) if present, and indicate if LARGE STANDS of other sp.)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box (es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail (industry) housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = AGRIC. RUNOFF

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: BOTTOM ½ OF SITE PRETTY GROSS - ALGAE EXTENSIVE & SNAGGED ON EVERYTHING - DEADSHEEP IN STREAM. TOP ½ QUITE NATURAL MEANDERS & NO ALGAE, ALTHOUGH FLOW IS THROUGH A BRICK MAKING FACTORY SITE. TOP ½ CONTINUED

S ALDERS *(tick appropriate box (es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with thanks for plant species and terminology) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7137

Mid-site grid reference of network site if different from designated location:

Grid Reference: 638811 River: BRADLEY BROOK

Date 1/5/1996 Time: 9.30 Surveyor name [illegible] Accreditation code. PF36

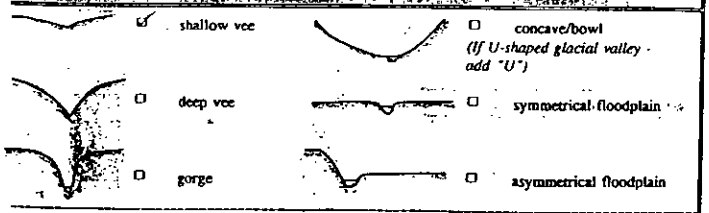
Adverse conditions affecting survey? No ☐ Yes ☒ *If yes, state* RECENT RAIN HAS MUDDIED WATER RD. CAUSED LEVEL TO RISE

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (RUN/POOL CHECKS) Page 2 of 4

TALLY (use JHI) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK (functional feature)										
Material [1] *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,BW*	CA	CL	EA	CL	SR	EA	GR	CL	GA	GA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	RI	RS	N	NO	NO	NO	RI	RI
Bank feature(s) *NV,NO,EC,SC,FB,VP,SB,VS*	SC	SC	SC	SC	SC	SC	SC	SC	NO	NO
CHANNEL - TICK (functional feature)										
Channel substrate [1] *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	CO	NV	NV	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	NA	?	NA	NA	?
Flow type [1] *FF,CH,BW,UW,CF,RP,UP,SM,MP,NO*	RP	SM	RP	SM	RP	RP	SM	SM	SM	RP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MR,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK (functional feature)										
Material [1] *NV,BE,BO,CO,GI,EA,PE,CL,CC,SP,WP,GA,BR,BW*	EA	GA	EA	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,FB,VP,SB,VS*	N	NO	NO	SC	SC	SC	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	C	C	C	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	B	U	B	U	B	U	B	B	B
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	S	B	U	U	B	B	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	S	C	C	C	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION *(within 5m of channel)*

NONE / PLANT GENERA - list first 5									✓	
Bryophytes/lichens	✓					✓				
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓					

SITE NO. 7137 1996 RIVER HABITAT SURVEY (300m SWEEP UP) Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(to be assessed over a 50m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*			Suburban/urban development *(SU)*		

I BANKTOP/LAND USE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J PERCENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	B (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K PERCENT OF CHANNEL FEATURES

	None	Present	B (≥33%)		None	Present	B (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY (DIMENSIONS AND INFLUENCES) Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed across channel within 5m wide transect, perpendicular to flow)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.0	Banktop width (m)	5.5	Banktop height (m)	2.0
Embanked height (m)		Water width (m)	5.0	*Embanked height (m)*	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 5.0

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF POINT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State:

O FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE/INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models (floodplain features and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7138

Mid-site grid reference of network site if different from designated location:

Grid Reference: 728890 River: LITTLE AVON

Date 30/4/1996 Time: 3:10 Surveyor name L HARRIS Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D ENUMERATION OF CHANNEL FEATURES *(tick one box per feature)*

Riffles 10	Unvegetated point bars 4
Pools 9	Vegetated point bars 6

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use ///) for - Riffles |||| |||| Pools |||| |||| Unveg. side bars |||| unVeg point bars ||||

B PHYSICAL ATTRIBUTES *(to be assessed across channel width at 1m pole (canoe))*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK — TICK if functional fence										
Material *BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,SR,BW*	EA	BE	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SC	SC	SC	SC	NO
CHANNEL										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	NV	CO	CO	CO	CO	CO	CO	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	IR	IR	IR	IR	IR	IR	/	/
Flow type * *FF,CH,BW,UW,CF,EP,UP,SM,NP,NO*	SM	SM	FF	SM	SM	SM	UW	UW	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TB*	NO	NO	NO	NO	NO	NO	MB	MB	NO	NO
RIGHT BANK — TICK if functional fence	/	/	/	/	/					
Material *NV,BE,BO,CO,CB,EA,PE,CL,CC,SP,WP,GA,BR,SR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NE	NE	NO	NE	NO	NE	NO	NO	NE
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	IR	NE	NE	NE	SC	SC	SC	SC	NE

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide corridor)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	IG	SC	SC	SC	SC	SC	BL	BL
LEFT BANK-TOP *(structure within 1m)* *BU/S/C*	S	C	C	C	C	S	S	S	S	S
LEFT BANK FACE *(structure)* *BU/S/C*	C	B	B	S	S	B	B	S	B	C
RIGHT BANK FACE *(structure)* *BU/S/C*	S	B	S	S	S	B	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* *BU/S/C*	C	S	C	C	C	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	BL	BL	BL	BL

G CHANNEL VEGETATION *(to be assessed over a 10m wide corridor)*

NONE / PLANT GENERA - list first 5	✓	✓		✓	✓			✓	✓	
Bryophytes/lichens			✓			✓	✓			
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae					✓	✓	✓			✓

SITE NO. 7138 — 1996 RIVER HABITAT SURVEY Page 3 of 4

H LAND MANAGEMENT / LAND COVER *(to be assessed over a 50m wide corridor)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	E		Open water *(OW)*		
Tall herbs* *rank vegetation (TH)*			Suburban/urban development *(SU)*		

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		
Vertical + toe	✓		Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES *(to be assessed over a 50m wide corridor)*

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☐	☑

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE - POOL - RIFFLE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

A CHANNEL DIMENSIONS *(to be assessed over a 50m wide corridor at a riffle cross-section (preferably a straight reach))*

LEFT BANK				RIGHT BANK
Banktop height (m)	1·0	Banktop width (m)	5·5	Banktop height (m)
Embanked height (m)		Water width (m)	5	*Embanked height (m)*
		Water depth (m)	0·05	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B CROSS-CHANNEL STRUCTURES *(within 50m corridor)*

None ☐ Number of Culverts = Weirs = Outfalls = 2 Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C RIVERSIDE MANAGEMENT *(within 50m corridor)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State : .....

D FEATURES OF SPECIAL INTEREST *(within 50m corridor)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F ABUNDANCE OF NUISANCE PLANT SPECIES *(within 50m corridor)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G OVERALL CHARACTERISTICS *(within 50m corridor)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
DEER TRACKS SEEN

Other significant observations: MEANDERING RIVER, DEEP CUTTING BANKS IN PLACES. LOADS OF FALLEN TREES & PERCEIVED AREAS WHERE DEBRIS DAMS HAVE BUILT UP. WATER APPEARED FAIRLY MUCKY ALTHOUGH SITE APPEARED (BARRE ROAD BRIDGE) TOTALLY NATURAL.

H ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and /exclude/ Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7139

Mid-site grid reference of network site if different from designated location:

Grid Reference: 870869 River: AVON

Date 3.5.1996 Time: 4:15 Surveyor name Ian Horn Accreditation code PF36

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 3 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use DH) for - Riffles | Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = edge, entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material '	EA	EA	EA	EA	EA	EA	CO	BR	CC	EA
Bank modification(s)	RS	RS	RS	RS	NO	RS	RI	RI	RI	NO
Bank feature(s)	NO	NO	SC	SC	SC	NO	NO	SC	SC	NO
CHANNEL Substrate (single code)										
Channel substrate '	SA	GP	GP	GP	GP	GP	CO	CO	CO	CO
Substrate shape	S	O	V	E	R	E	D		IN	
Flow type '	SM	SM	SM	SM	RP	UN	RP	SM	SM	SP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓		
Material '	EA	EA	EA	EA	EA	BR	BR	EA	EA	EA
Bank modification(s)	RS	RI	RS	NO	PC	RI	RI	NO	PC	RS
Bank feature(s)	NO	NO	NO	NO	NO	SC	SC	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	SU	SC	IG	IG	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	L	U	S	S	S	S	C	U	S	C
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	B	B	C	B	B	B	S
RIGHT BANK FACE *(structure)* B/U/S/C	C	S	B	B	S	S	S	S	U	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	C	U	U	U	C	C	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IG	IG	IG	SU	SU	SC	IG	IG

Q CHANNEL VEGETATION TYPES *(Use whole transect, 5 (or 3) 1 m spots), or tick (present) for each plant genera*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	.	.	.	.	✓				.	
Emerg broad-leaved herbs	✓	.	.	✓	✓	✓			✓	
Emerg reeds/sedges/rushes							✓			
Floating-leaved (rooted)										
Free-floating										
Amphibious						✓				
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Site No. 7139 1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 3 of 4

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = edge, entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL Substrate (single code)										
Channel substrate '	SA	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	S	O	V	E	R	E	D		IN	
Flow type '	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE *(structure)* B/U/S/C	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

Q CHANNEL VEGETATION TYPES *(Use whole transect, 5 (or 3) 1 m spots), or tick (present) for each plant genera*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

R ARTIFICIAL AND MODIFIED FEATURES

	L	R		L	R
Mixed/mixed woodland *(BL)*		✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Mixed/scrub *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* *(not vegetation (TH)*			Suburban/urban development *(SU)*	✓	✓

	L	R		L	R
Natural/unmodified			Artificial/modified		
Actual/undercut	✓	✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Sheep (>45°)	✓	✓	Reinforced - top only		
Ice			Reinforced - toe only		
Poaching			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

S POTENTIOR TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

T POTENTIOR WATER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features):*

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

C CHANNEL DIMENSIONS *(to be measured at the top of the bank)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		9.0			
Banktop height (m)	0.6	Water width (m)	6.5	Banktop height (m)	0.6
Embanked height (m)		Water depth (m)	0.4	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

D ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

E EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

F FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

G CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

H NOTABLE NUISANCE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

I OVERALL CHARACTER

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: NESTING SWAN
Crowded around house - obviously as old mill of similar
a lot of artificial bank - this area between stream & house
became more natural and flowed between trees

J ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7140

Mid-site grid reference of network site if different from designated location:

Grid Reference: 972831 River: AVON

Date 3.5.1996 Time: 2.15 Surveyor name [illegible] Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY-FORM *(tick one box only)*

☐	shallow vee	☑	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: ITEM SPOT CHECKS — Page 2 of

TALLY (use ||||) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel, within a 1m wide transect)* ' = one entry only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK ... TICK if functional fence	✓		✓		✓	✓	✓	✓	✓	
Material 'NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,SB,RR,BW	EA	EA	EA	EA	EA	EA	GA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	RS	RS
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	VS	SC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NBW - substrate across channel bed										
Channel substrate ' NV,BE,BO,CO,GP,SA,SI,CL,PE,AR	GP	NV	GP	GP	GP	GP	GP	NV	GP	GP
Substrate shape FL,OV,EL,SP,CU,PO,IR, Others - note										
Flow type ' FF,CH,BW,UW,CF,RP,UP,SM,NP,NO	UW	SM	SM	SM	SM	RP	SM	SM	SM	SM
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Channel feature(s) NV,NO,BO,MB,VB,MI,TB	NO	NO	NO	NO	NO	RO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓				
Material 'NV,BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,SB,RR,BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	RS	RS	RS	RS
Bank feature(s) NV,NO,EC,SC,PB,VP,SB,VS	EC	SC	SC	NO	VP	EC	NO	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BU/S/C	[illegible]	C	C	S	S	S	U	S	S	
LEFT BANK FACE *(structure)* BU/S/C	C	C	C	S	S	S	S	S	S	
RIGHT BANK FACE *(structure)* BU/S/C	B	C	C	S	S	S	U	S	S	B
RIGHT BANK-TOP *(structure within 1m)* BU/S/C	S	S	S	S	C	S	U	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SU	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect - X (>33% area) or tick (present) 500m each side)*

NONE / PLANT GENERA - list first 5		✓								✓
Bryophytes/lichens										
Emerg broad-leaved herbs							✓			✓
Emerg reeds/sedges/rushes	✓		✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓						
Submerged broad-leaved										
Submerg fine/linear-leaved					✓		✓		✓	
Filamentous algae						✓	✓	✓	✓	

SITE NO. 7140 1996 RIVER HABITAT SURVEY: SIDE OF RIVER — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	—	✓	Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANKTOP/ACCESS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage	✓	
			Poached		
			Embanked		
			Set-back embankments		

J RECENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE - RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	18	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	10	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.5	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = FISHING STAGES

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box (es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐ BOULDER BAR
Debris dams	☐	Water meadow	☐	Marsh	☐ (SEE PHOTO) D/S
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box (es))* IFE note LARGE STANDS of other sp

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Rhododendron bracken)

R OVERALL CATCHMENT CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = 4 geese with 12 or so goslings (small size) black & white ducks

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies b/f

Other significant observations. Resectioned (former sand) several years ago & since then has been having to re-meander causing build up. Alders & bushes. Very pretty & fertile, stocked with fish.

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAIL

Reference network site number: 7141

Mid-site grid reference of network site if different from designated location:

Grid Reference: 071811 River: BRINKWORTH BROOK

Date 3.5./1996 Time: 11.30 Surveyor name I.HARRIS Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use JHI) for - Riffles 4 Pools 11 Unveg. side bars 11 Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* — one entry only

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NC	NO	NO	NC	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	SC	NC	SC	SC	SB	NC	EC	SB	SC	SC
CHANNEL - NB: Channel Bank Codes										
Channel substrate ' *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	SA	SA	SA	CL	GP	CL	GP	GP	NV
Substrate shape *FL,CV,EL,SP,CU,PO,IR, Others - note*										
Flow type ' *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	UW	RP	NP	NP	RP	UW	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NC	NO	NC	NO	NO	NO	NC	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,TR*	NO	NC	NC	NO	NC	NO	NO	NC	NC	NC
RIGHT BANK - TICK if functional fence							✓	✓	✓	
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NC	NC	NO	NO	NC	NO	NO	NO	NC	NC
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	SB	NC	NC	NC	SC/SB	SC	EC	SC	SB

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	C	C	S	S	S	S	S	S
LEFT BANK FACE *(structure)* *B/U/S/C*	S	B	B	S	S	C	B	S	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	S	S	B	S	S	S	S	B	S	C
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	S	S	S	S	S	S	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IG	SC	SC	IG	IG	TL	TL	IG	IG

G CHANNEL VEGETATION TYPES *(10m wide transect; if ≥ 33% area) or tick (present); SQUL catch all*

NONE / PLANT GENERA - list first 5				✓						
Bryophytes/lichens						✓				
Emerg broad-leaved herbs					✓					
Emerg reeds/sedges/rushes		✓			✓		✓		✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓			✓			✓			
Submerged broad-leaved										✓
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓		✓	✓	✓	✓	✓	✓

SITE NO. 7141 — 1996 RIVER HABITAT SURVEY: SWEEP UP AND SIDE PHOTOS — Page 3 of 4

H LAND USE WITHIN 50m AND 5m OF BANKTOP (1 - 2%)

	L	R		L	R
...dical/mixed woodland *(BL)*			Rough pasture *(RP)*		✓
...coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		✓
...land/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...b *(SC)*		✓	Open water *(OW)*		
...herbs" *rank vegetation* (TH)			Suburban/urban development *(SU)*		

I BANK SIDE SECTIONS (2 - 3%)

	L	R		L	R
...ral/unmodified			Artificial/modified		
...al/undercut	E	E	Resectioned		
Vertical + toe		✓	Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
...			Reinforced - toe only		✓
...osite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (2 - 3%)

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K OVERALL CHANNEL FEATURES (2 - 3%)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Intermediate predominant flow sequence *(select up to three features)*: GLIDE-RUN-POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS (2 - 3%) *(at least one dimension should be measured at a representative section, preferably a riffle)*

LEFT BANK		Banktop width (m)	4.0	RIGHT BANK	
Banktop height (m)	1.5	Water width (m)	2.5	Banktop height (m)	1.5
Embanked height (m)		Water depth (m)	0.35	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) = Scum height on bankside

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (2 - 3%)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ✓ Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box (es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ (Other ? State Small lengths of new hedge planted (maple) > 1yr old)

O FEATURES OF SPECIAL INTEREST *(tick appropriate box (es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(use E (≥ 33% total) if ...)* — IFE code LARGE STANDS of other sp

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(tick appropriate box (es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = Agriculture

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Meandering channel, obviously subjected to varying flows & some periods of channel run blocked in a few places with trees & debris & has many cliffs both stable & eroding

S ALDERS *(tick appropriate box (es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND/MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY CONTROL

Reference network site number: 7143

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 31/5/1996 Time: 2.30 pm. Surveyor name Ian Harris. Accreditation code. PF36.

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (Tick one only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS (continued)

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

100% RIVER HABITAT SURVEY (RHS) FIELD SHEET

TALLY (use JHS) for - Riffles Pools Unveg. side bars Veg point bars

SPOT CHECK DATA (RIFFLES)

Spot check 1 m upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
DOMINANT SUBSTRATE										
Material *BE,BO,CO,GS,FA,PT,D,OC,OF,WP,CL,SA,SI,ZF*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,SM,ESH*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NATURALNESS										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PC,AR*	SI	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *SI,QW,U,SV,CU,PO,BL,Others - note*	-									
Flow type * *SI,CH,RW,UW,CB,RF,SW,SM,NP,NO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *NE,MO,C*,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *NV,MO,FO,MB,VB,SH,IS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (TICK ONE)										
Material *As at left bank*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,SM,ESH*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND MODIFICATION STRUCTURES

Land use: choose one from: IE, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IL	IL	IL	IL	IL	IL	IL
LEFT BANK TOP (structure within 1m) *BA/SC*	S	S	S	S	S	U	U	U	S	S
LEFT BANK FACE (structure) *BA/SC*	S	S	S	S	S	U	U	U	S	S
RIGHT BANK FACE (structure) *BA/SC*	S	S	S	S	C	C	C	S	S	S
RIGHT BANK TOP (structure within 1m) *BA/SC*	C	C	C	S	C	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad leaved herbs	E	✓			✓	✓				
Emerg reeds/sedges/rushes	E	E	E	E	E	E	E	E	E	E
Floating leaved (rooted)					✓					✓
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg (surface) leaved										
Filamentous algae	E				✓			✓	✓	

SITE NO. 7143 | 100% RIVER HABITAT SURVEY (RHS) SHEET 2 of 4

BANK AND BANKSIDE FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	–	–
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Sanctioned	E	E
Vertical - toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

IDENTIFIED AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): DEADWATER-NO FLOW

100% RIVER HABITAT SURVEY DIMENSIONS AND INVENTORIES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.75	Banktop width (m)	4.4	Banktop height (m)	0.75
Embanked height (m)		Water width (m)	2.9	Embanked height (m)	
		Water depth (m)	0.3		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐ .....

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

ARTIFICIAL STRUCTURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RIPARIAN MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑ !

NOTABLE PLANTS (Tick one only)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

ANIMALS AND OTHER FEATURES

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - hoeing - mowing - quarrying - overdeepening - afforestation - fisheries management - silting - other? = +

Land Management: wet ditch, buffer strip - broadleaf - shrubwood land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Purpose-built sewage ditch by-pass. Water is at low level flowing at all stages. Totally (99.9%) choked with reeds.

SURVEYOR'S COMMENTS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with the addition of land cover information

BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7144

Mid-site grid reference of network site if different from designated location:

Grid Reference: 387871 River:

Date 31/5/1996 Time: 12.30 Surveyor name Lanham Accreditation code. FF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ x2 *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (Tick one box only)

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (Tick one box per feature)

Riffles 11 (three)

Pools 0

Unvegetated point bars 0

Vegetated point bars |

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: ADDITIONAL SCOTCHBUCK

TALLY (use ||||) for - Riffles 11 Pools Unveg. side bars Veg. point bars

PHYSICAL ATTRIBUTES (to be assessed across the channel unless otherwise stated)

Spot check 1 m. upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material	EA	NV	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NK	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NV	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	GP	CP	CP	CP	CP
Substrate shape	-	-	-	-	✓	NA	NA	NA	IR	IR
Flow type	SM	SM	SM	SM	SM	SM	UW	RP	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	SB	NO	NO	NO	NO	NO	SB

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	-	C	S	C	C	C
LEFT BANK FACE *(structure)* B/U/S/C	S	C	C	S	C	C	C	C	C	C
RIGHT BANK FACE *(structure)* B/U/S/C	C	S	S	C	C	C	C	S	S	C
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	C	C	S	S	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	WL	TL	TL	TL	TL	SC	TL

CHANNEL VEGETATION TYPES (Within 0.5 m of water surface)

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens										
Emerg broad-leaved herbs				✓	✓		E	✓	✓	✓
Emerg reeds/sedge/rushes		E	E	✓						
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae					✓	✓			✓	✓

1996 RIVER HABITAT SURVEY: ADDITIONAL SCOTCHBUCK

Site No. 7144

LAND USE WITHIN 50m OF BANKTOP (Tick one box per feature)

	L	R		L	R
Deciduous/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		E
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' rank vegetation *(TH)*		✓	Suburban/urban development *(SU)*		

BANK AND TOP MODIFICATIONS (Tick one box per feature)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

PERCENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

PERCENT OF RIFFLE, POOL AND POINT BAR FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Site predominant flow sequence *(select up to three features)*: GLIDE // RIFFLE

2 distinct habitats @ site in this respect.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INTRUSIONS

CHANNEL DIMENSIONS (to be measured at a representative and uniform section preferably over a 50m length)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	6.5	Banktop height (m)	0.6
Embanked height (m)		Water width (m)	6.0	*Embanked height (m)*	
		Water depth (m)	0.1		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES (Tick one box per feature)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF CHANNEL MANAGEMENT (Tick one box per feature)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST (Tick one box per feature)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☑ LARGE REED BED - R.BANK
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL (Tick one box)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

DOMINANT NON-NATIVE PLANTS (Tick one box per species)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL HABITAT ASSESSMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: VERY NICE & NATURAL BUT VERY DIFFICULT ACCESS TO SITE. SITE MOVED U/S ~100m DUE TO LARGE "KEEP OUT" NOTICES ON TREES AROUND LARGE GARDEN POND AREA AT D/S END OF SITE. VERY ROUGH/NATURAL AREA FOR D/S 200m OR SO AFTER THIS → REED BED / CARR / OVERGROWN MUCK!

ALDERS (Tick one box per site)

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND/MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7145

Mid-site grid reference of network site if different from designated location:

Grid Reference: 447884 River: GINGE BROOK

Date 31/5/1996 Time: 11.15 am Surveyor name Lou Harris Accreditation code. PE36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

SURVEY DIMENSIONS AND JUNCTIONS

Riffles 7 Unvegetated point bars ○

Pools | Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. HARRISON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVPACS SURVEY DIMENSIONS AND JUNCTIONS CHECKLIST

TALLY (see BH) for - Riffles ||| || Pools Upstep side bars Vee point bars

PHYSICAL ATTRIBUTES

Spot check (↑ = upstream ↓ = downstream) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

BANK PHYSICAL ATTRIBUTES

Material *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	EA	EA	FA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,MO,EC,SC,PB,VP,SB,WS)*	NO	NO	NO	NO	NO	SC	NO	EC	NO	NO

CHANNEL PHYSICAL ATTRIBUTES

Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SI	SI	SI	SI	GP	GP	GP	GP	GP	GP
Substrate shape *(U, OV, EL, SP, CH, FO, IR, Others - note)*	-	-	-	-	IR	IR	IR	R	R	IR
Flow type *(FF,CH,BW,UW,CD,RF,UP,SM,PP,NO)*	SM	SM	SM	SM	RP	RP	SM	UW	UW	UW
Channel modification(s) *(NE,MO,CV,RS,RI,DA,OT)*	NO	NO	RS	RS	RS	NO	NO	NO	NO	NO
Channel feature(s) *(NV,MO,RO,WB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK PHYSICAL ATTRIBUTES

Material *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,EM)*	NO	NO	RS	RS	RS	NO	NO	NO	NO	NO
Bank feature(s) *(NV,MO,EC,SC,PB,VP,SB,WS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	RS

PHYSICAL LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	-	C	C	C	C	S	-	-	C
LEFT BANK FACE *(structure)* B/U/S/C	C	C	C	C	S	C	C	-	-	C
RIGHT BANK FACE *(structure)* B/U/S/C	C	S	B	S	S	S	S	-	-	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	OW	OW	SC	RP	SU	BL	RP	RP

VEGETATION

NONE / PLANT GENERA - List first 5	✓	✓	✓			✓	✓	✓	✓	
Bryophytes/lichens				✓	✓					✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/filamentous-leaved										
Filamentous algae										

SITE NO. T\T>

RIVPACS SURVEY DIMENSIONS AND JUNCTIONS

JUNCTIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		E
Tall herb* rank vegetation (TH)			Suburban/urban development (SU)		✓

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	/	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	☑
Continuous	☑	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	○	○	☑
Overhanging boughs	○	☑	○
Exposed bankside roots	○	☑	○
Underwater tree roots	☑	○	○
Fallen trees	☑	○	○
Coarse woody debris	○	☑	○

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	○	☑	○	Marginal deadwater	☑	○	○
Cascade(s)	☑	○	○	Exposed bedrock	○	☑	○
Rapid(s)	☑	○	○	Exposed boulders	☑	○	○
Riffle(s)	○	☑	○	Unvegetated mid-channel bar(s)	☑	○	○
Run(s)	○	○	☑	Vegetated mid-channel bar(s)	☑	○	○
Boil(s)	○	☑	○	Mature island(s)	☑	○	○
Glide(s)	○	○	☑	Unvegetated side bar(s)	○	☑	○
Pool(s)	○	☑	○	Vegetated side bar(s)	☑	○	○

Indicate predominant flow sequence *(select up to three features)*: GLIDE - RUN

RIVPACS SURVEY DIMENSIONS AND JUNCTIONS

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop width (a)			3.25	
Banktop height (m)	0.25	Water width (m)	3.25	Banktop height (m) 0.25
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*

If cultivar lower than banktop break in slope, indicate: height (a) = width(a) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ☑ unknown ○

Location of measurement is: riffle ☑ run or glide ○ other ○ *(tick one box)*

ARTIFICIAL FEATURES

None ○ Number of Culverts = Weirs = 2 Outfalls = 2 Fords =
Footbridges = 0 Roadbridges = Other =
Is water impounded by weir/dam? No ○ Yes, <33% of site ☑ >33% of site ○

RECENT CHANNEL WORK

None ○ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other? State RESECTIONING R-BANK (.00 m)

LOCATION OF CRITICAL INTEREST

None	○				
Waterfalls > 5m high	○	Artificial open water	☑	Bog	○ Other (state)
Bridge/side channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flush	○

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ○

INVASIVE PLANTS

None ☑ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? ,Nettle Rhododendron bracken

OTHER NOTES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

ADDONS

Addon? None ☑ Present ○ Extensive ○ Diseased Addon? None ☑ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7148

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 788 343 River: THAMES

Date 30/5/1996 Time: 16 45 Surveyor name: [illegible] Accreditation code: [illegible]

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* . . . . . .

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles Pools Unveg. tide bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 5m wide transect)* — one entry only

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	CC	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	?	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	NO	NO	EC	NO	SC	NO	NO
CHANNEL										
Channel substrate *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	GP	SI	NV	NV	SI	SI	NV	NV	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	-	OV	/	/	/	-	/	/	/	/
Flow type *FF,CH,BW,UW,CF,RF,UF,SM,NP,NO*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NO
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV,NO,RO,MR,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	SC	NO	NO	NO	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TH	TH	TH	TH	TH	TH
LEFT BANK TOP *(structure within 1m) B/U/S/C*	S	U	U	U	U	U	U	U	S
LEFT BANK FACE *(structure) B/U/S/C*	U	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure) B/U/S/C*	S	S	S	S	S	S	U	U	S	S
RIGHT BANK-TOP *(structure within 1m) B/U/S/C*	U	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	RD	TL	TL	IG	IG	IG	IG	IG	BL

G CHANNEL VEGETATION TYPES *(in wetted channel & bankface (marginal) 50m transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7148 — 1996 RIVER HABITAT SURVEY 50m SWEEP UP — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs - rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Sheep (>45°)	E	E	Reinforced - top only		
Cattle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pinched		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

K CHANNEL FEATURES AND ASSOCIATED FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Slack / dead water	☐	☐	☒
Cascades(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: V. SLOW GLIDE (NP) SLACK.

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at the mid-point of a representative (or typical) reach (normally 20 x bankfull width))*

LEFT BANK		Banktop width (m)	52.0	RIGHT BANK	
Banktop height (m)	1.1	Water width (m)	48.0	Banktop height (m)	1.1
Embanked height (m)	-	Water depth (m)	NK	*Embanked height (m)*	-

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M ARTIFICIAL FEATURES

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State . . . . . .

O FEATURES OF SCIENTIFIC INTEREST *(tick appropriate box(es))*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state) . . . . .
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE NUISANCE PLANTS *(tick appropriate box(es))*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: [illegible] uniform slow

S ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☐ Present ☒ Extensive ☐

* PHYTOPHORA

1996 RIVER HABITAT SURVEY with TIN mode(s) (for plant species and species groups) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B DETAILED SURVEY DETAILS

Reference network site number: 7150

Mid-site grid reference of network site if different from designated location: SU 953848
HD confirmed.

(MOVED)
Grid Reference: SU 993803 River: UN-NAMED Trib of THAMES

Date 21/6/1996 Time: 09.30 Surveyor name N. CRISVE Accreditation code: PE 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (dry)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles \ Unvegetated point bars \

Pools \ Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY within SPOT CHECKS Page 2 of 4

TALLY (use JHF) for · Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide (transect) and in one pool only)*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *MV,BE,BO,CO,CB,ES,PE,CL,CC,SP,WP,GA,BA,ER,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	RS	NO	NO	PC	NO	NO	PC	NO	NO	NO
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	SC	NO
CHANNEL										
Channel substrate ' *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	GP	SI	SI	SI	SI	SI	GP	GP	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	OV	NA	NA	NA	NA	NA	OV	OV	OV
Flow type ' *FF,CH,RW,UW,CF,RP,UP,SM,MP,NO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	CS	NO	RS	RS	NO	NO
Channel feature(s) *MV,MO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	RS	PC	NO	RS	PC	NO	NO	NO	NO	NO
Bank feature(s) *MV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	SB	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	DL	BL	DL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m) B/U/S/C*	U	U	S	U	S	C	B	S	S	S
LEFT BANK FACE *(structure) B/U/S/C*	S	U	U	S	S	C	B	B	B	B
RIGHT BANK FACE *(structure) B/U/S/C*	S	U	U	C	S	C	S	S	U	B
RIGHT BANK-TOP *(structure within 1m) B/U/S/C*	U	B	S	C	U	C	B	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SC	BL	WL	WL	BL	TL	BL	BL

G CHANNEL VEGETATION FORMS *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓		✓		✓
Emerg broad-leaved herbs									✓	
Emerg reeds/sedges/rushes (Typha, Sparg)	✓			✓	✓	✓	✓			✓
Floating-leaved (rooted) (Nuphar)							✓			✓
Free-floating										✓
Amphibious (Ranunculus)										✓
Submerged broad-leaved										✓
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7150 1996 RIVER HABITAT SURVEY SUMMARY SHEET Page 3 of 4

H BANKSIDE WITHIN 50m OF BANKTOP (Tick ✓ if present in 5% or more of the reach)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		✓
Scrub *(SC)*	✓		Open water *(OW)* POND - created by damming channel	✓	✓
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

I BANKSIDE VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J SIGNIFICANT TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☑
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☐	☑

K CHANNEL FEATURES AND HABITAT

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☐	☐	☐	Dead wood	☐	☑	☐
Cascades(s)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: DRY (at Last 2 surveys)
If water was present, then above flows

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a straight, uniform section, typically 20 or 30 x bankfull width)*

LEFT BANK		Banktop width (m)	0.75	RIGHT BANK	
Banktop height (m)	0.25	Water width (m)	0.5	Banktop height (m)	0.25
Embanked height (m)	\	Water depth (m)	DRY	*Embanked height (m)*	\

If trashline lower than banktop break in slope, indicate: height (m) = \ width(m) = \

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)* DRY

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = | Weirs = | Outfalls = Fords =
Footbridges = Roadbridges = \ Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☐	(DOGS)			
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☑ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☑
Debris dams	☑ (E)	Water meadow	☐	Marsh	☐
Leafy debris	☑ (E)	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron Garlic

R OVERALL IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WOODLAND (BL)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron dragonflies damselflies

Other significant observations: Although dry, evident headwater site in BL.
(*) SSSI with WETLAND restoration project!
(Good diversity of habitats) + Artificial pond.

S ALDER *(tick appropriate box(es))*

Alder? None ☐ Present ☑ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with headers for plan (trees and fencing) — page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7151

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 030875 River: MISBOURNE BROOK.

Date 20/6/1996 Time: 10.30 Surveyor name(s): STEVE Accreditation code: PR 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 4 — Unvegetated point bars

Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS — page 2 of 4

TALLY (use DAY) for - Riffles | Pools | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES *(to be assessed at each Spot Channel, Left Bank, Right Bank)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *(BE,BO,CO,CB,SA,PE,CL,CC,SI,MT,GA,MA,ES,AM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,MO,RS,RI,PC,BM,EM)*	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(BY,MO,EC,BC,PB,VP,SB,VS)*	NO	NO	NO	NO	VS	NO	NO	VS	NO	NO
CHANNEL										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SD	SI	GP	GP	GP	SI	SI	SI	SI	SI
Substrate shape *(FL,OV,EL,SP,CU,PO,DI, Others - note)*	PO	NA	PO	OV	PO	NA	NA	NA	NA	NA
Flow type *(FF,CH,RW,UW,CF,RF,UF,SM,MF,NO)*	SM	NP	SM	UW	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(BY,NO,RO,MB,VB,MT,TB)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK — TICK if fractional feature	✓	✓	✓	✓						
Material *(BE,BO,CO,CB,SA,PE,CL,CC,SI,MT,GA,MA,ES,AM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	RS	NO	NO	NO	NO	RS	NO	NO	RS	RS
Bank feature(s) *(BY,NO,EC,BC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	VS	NO

F. BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, IN, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	RL	BL	RP	BU	BL	SC	WL
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* BA/US/C	S	U	S	S	S	U	S	S	U	S
RIGHT BANK FACE *(structure)* BA/US/C	U	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	S	U	U	U	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TH	TH	TH	TH	TH	TH	TH	IG	TH

G. CHANNEL VEGETATION TYPES *(Aquatic and Marginal)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparg		✓	E			✓	✓	✓	✓
Emerg reeds/sedges/rushes				✓	E	✓	E	E	✓	✓
Floating-leaved (rooted)	✓		✓	✓			✓	✓		
Free-floating										
Amphibious	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved										
Submerg fine/linear-leaved				✓						✓
Filamentous algae	✓	E	✓	✓	✓	E	✓	✓	✓	✓

SITE NO. 7151 — 1996 RIVER HABITAT SURVEY — SPOT CHECKS — page 3 of 4

B. LAND WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)			Open water (OW)		✓
Tall herb* and rank vegetation (TH)		E	Suburban/urban development (SU) (Garden)	E	✓

C. BANK AND BANKTOP/LAND USE ATTRIBUTES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Resectioned	✓	E
Vertical + toe			Reinforced - whole bank	✓	✓
Sheep (>45°)	E	✓	Reinforced - top only		
Cliffs	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

D. AMOUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	✓	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	☐	✓
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

E. AMOUNT OF IN-CHANNEL AND MARGINAL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
				Vegetated side bar(s)	☐	☐	✓

Indicate predominant flow sequence *(select up to three features)*: GLIDE (more RF at top)

1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES — page 4 of 4

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	5.0	Banktop height (m)	0.6
Embanked height (m)	/	Water width (m)	4.75	Embanked height (m)	/
		Water depth (m)	0.05		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = 2 Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weirdam? No ☐ Yes, <33% of site ☑ >33% of site ☐

C. EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

D. FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☑ Carr ☐
Debris dams ☐ Water meadow ☑ Marsh ☐
Leafy debris ☑ Fen ☐ Fleet ☐

E. CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. POTENTIALLY INVASIVE PLANTS *(tick the box(es) that apply)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

G. OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siltation other? = NEASDEN.

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = NEASDEN.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Excellent meadow / valley! Clear stream, but suffering from low flow.

H. ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Discount Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with full records of plant species and associated data — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7153

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 206863 River: BRENT

Date 19/6/1996 Time: 14:30 Surveyor name N GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☒ † symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D TALLY NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2 — Unvegetated point bars 2

Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

† Could really be described as an "Urban gorge"!

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use DP) for - Riffles | Pools | Unveg point bars | Veg point bars

G PHYSICAL ATTRIBUTES (to be assessed across channel width in a wide (>10m) river)

Spot check 1 is: upstream ☒ downstream ☐	1	2	3	4	5	6	7	8	9	10
VEGETATION (tick)										
Material *BR,SA,SO,CO,GS,LA,PE,O,CC,SP,WP,GA,SH,SW*	BR	SA	WP	SA	WP	WP	WP	WP	SA	SA
Bank modification(s) *ME,MO,RS,RI,PC,SM,EM*	RI	NO	RI	NO	RI	RI	RI	RI	NO	NO
Bank feature(s) *WV,MO,EC,SC,PB,VT,SB,VS*	NO	EC	NO	NO	NO	NO	NC	NO	SB	PB
CHANNEL (tick)										
Channel substrate * *BE,BO,CO,GF,SA,D,CL,PE,AR*	GP	SP	SP	GP	SP	SP	SA	SP	SP	SP
Substrate shape *FL,OV,IG,SP,CU,PO,IR, Others - note*	OV	OV	SN	OV	OV	OV	NA	OV	OV	OV
Flow type * *FF,CN,BW,UW,CF,RF,UP,SM,MP,NO*	SM	SM	SA	SM	NP	UW	NP	SM	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,MO,BO,MB,VB,MT,TR*	NO	TR	NO	NO	NO	NO	NO	TR	TR	NO
RIGHT BANK *tick SL (functional force)*	SL	SM	SM	SM	TR	SL	SL	TR	SL	SL
Material *SW,BE,SO,CO,GS,LA,PE,CL,CC,SP,WP,GA,SH,SS,AR*	WP	NP	SA	WP	SA	SA	SA	SA	WP	WP
Bank modification(s) *ME,MO,RS,RI,PC,SM,EM*	RI	RI	NO	RI	NO	NO	NO	NO	RI	RI
Bank feature(s) *WV,MO,EC,SC,PB,VT,SB,VS*	NO	NO	EC	NO	NO	NO	EC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, IN, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	SC	SC	BL	BL	SC	C	BL	BL
LEFT BANK-TOP *(structure within 1m)* *BA/EC*	C	C	C	C	S	S	S	S	S	S
LEFT BANK FACE *(structure)* *BA/EC*	B	B	B	S	B	B	B	B	S	S
RIGHT BANK FACE *(structure)* *BA/EC*	S	B	S	C	B	S	B	S	B	B
RIGHT BANK-TOP *(structure within 1m)* *BA/EC*	C	C	C	U	C	U	S	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SL	BL	BL	SU	BL	IG	SC	C	BL	BL

G CHANNEL VEGETATION COVER

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	E	E	VE	E	E	E

SITE NO. 7153 — 1996 RIVER HABITAT SURVEY: SIDE VIEW — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (tick one box per column)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	✓	✓	Suburban/urban development *(SU)*	E	E

I BANK SIDE VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only WP	E	E
Composite			Artificial two-stage		
BANKS : (WP on top right bank)			Poached		
			Embanked		
			Set-back embankments		

J ASSESSMENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☒
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K ASSESSMENT OF WATER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock (CLAY)	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☒	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		13.0		Banktop width (m)	
Banktop height (m)	3.0	Water width (m)	8.1	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.05	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 9.3

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 3 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST (not appropriate box (es))

None	☐				
Waterfalls > 3m high	☐	Artificial open water	☐	Bog	☐ Other (state) ...
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☒	Fen	☐	Flush	☐

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE INVASIVE PLANT SPECIES (tick)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? (Nettle) Rhododendron bracken

R GENERAL OBSERVATIONS

Major impacts: landfill - tipping (litter) sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land (paddock) MoD - other? = SAME BANK

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Urban nightmare!

S ALDERS (tick appropriate box (es))

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7155 Photo no 7255.

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Roding

Date 10/5/1996 Time: 11 04 Surveyor name JJC Accreditation code: (PE4)

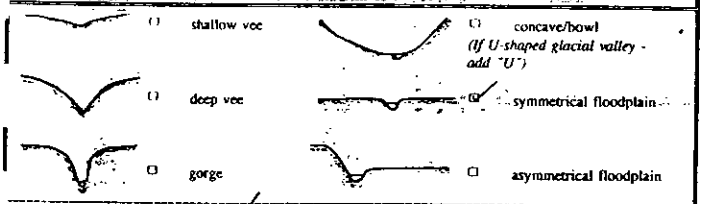
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use ||||) for - Riffles 11 Pools Uneg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ☑ = one entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional (cross)										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BB,RB,BW*	EA	MA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	EM	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	SG	NO
CHANNEL *NV,BE,BO,CO,GP,SA,SI,CL,PE,AB*	NV	NV	NV	NV	NV	GP	AV	NV	NV	NV
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	NA	NA	NA	NA	NA	SR	NA	NA	NA	NA
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	GA	SM	SM	SM	GP	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	MB	NO	MB	NO	NO
RIGHT BANK TICK if functional (cross)										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BB,RB,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	CC
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TM	IG	IG	IG	IG	IG	IG	TG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BU/S/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BU/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BU/S/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BU/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	TM	TM	IG	IG	TM	IG	IG

G CHANNEL VEGETATION TYPES *(% cover)* (Use 1 = rare, 2 = occ., 3 = frequent, 4 = dominant) or tick (present) SOUTH

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Mint									✓
Emerg reeds/sedges/rushes	Sparganium		/		/	/			✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	E	E	E	E	E	E

SITE NO. 7155 1996 RIVER HABITAT SURVEY - DOMINANCE Page 3 of 4

H LAND USE WITHIN 50m OF BOTH BANKS *(tick one box per bank)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*		✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)	E	E	Suburban/urban development *(SU)*	E	✓

I BANK SIDE FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	✓	
			Set-back embankments	E	E

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K WATERCOURSE FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.9	Banktop width (m)	6.8	Banktop height (m)	0.4
Embanked height (m)		Water width (m)	6.0	*Embanked height (m)*	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
observations

Other significant observations: River resembles Pow Stour, extremely extensive. Runs through Golf course in a cemetery on RB.

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7156

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Mer Lake

Date 10.5./1996 Time: 12.33 Surveyor name JJC Accreditation code. PFC

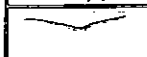
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

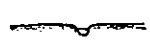
C PREDOMINANT VALLEY FORM *(tick one box only)*

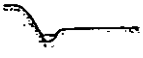

☐ shallow vee


☐ deep vee


☐ gorge


☐ concave/bowl
(If U-shaped glacial valley - add "U")


☑ symmetrical floodplain


☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	/	Unvegetated point bars	/
Pools	/	Vegetated point bars	2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Dick

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

TALLY (use ///) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* one entry only

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RB,BW*	EA	CC	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NE	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *HV,MO,EC,SC,PB,VP,SB,VS*	NO	NO	SC	TN	NO	NO	NO	NO	NO	NO
CHANNEL NEW substrate and shape codes	FL=R Over=Ex Emerg=Sp Emerald CH=Ch Pot=Pot Bryoph=Br Other=Oth									
Channel substrate *HV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	GP	GP	SE	SI	GP	GP	SI	SE	SI	GP
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - none*	CV	EL	NA	NA	IR	NA	NA	NA	NA	NA
Flow type *FT,CH,BW,UW,CF,RP,UP,SM,WP,NO*	SM	SM	SM	SM	RP	SM	RP	SM	SM	SM
Channel modification(s) *NE,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *HV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	TR	NO	NO	TR	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *HV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,RB,BW*	EA	EA	EA	EA	EA		EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	RS	RS	RS
Bank feature(s) *HV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NA	SD	NO	SC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use - choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	SC	TH	SC	TH	TH	TH	TH	TH
LEFT BANK-TOP *(structure within 1m) B/U/S/C*	S	B	S	U	S	U	S	U	U	U
LEFT BANK FACE *(structure) B/U/S/C*	U	U	S	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure) B/U/S/C*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m) B/U/S/C*	S	S	U	U	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	SC	TH	TH

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥33% area) or tick (present) SOUS each cell)*

NONE	/ PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Sparg	/	✓	✓	/	✓	✓	E	✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		E	E	✓	✓	E	✓	✓	✓	✓

SITE NO. 7156 1996 RIVER HABITAT SURVEY: SWEET LUAS Page 3 of 4

H LAND USE WITHIN 50m OF TOP OF BANK (for 2-3% areas) *(tick all appropriate)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs' *rank vegetation* (TH)	E	E	Suburban/urban development *(SU)*		

I BANKSIDE VEGETATION (for 2-3% areas) *(tick all appropriate)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	X	X
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

J PERCENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☒	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: Glide Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at the cross-section profile across a riffle)*

LEFT BANK		Banktop width (m)	2.30	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	2.0	Banktop height (m)	0.6
Embanked height (m)		Water depth (m)	0.30	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(tick all that apply within 500m upstream and downstream)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE NUISANCE PLANT SPECIES *(list if >1-33% (estimate) OR IFE spot LARGE STANDS of other)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed E Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS *(Note any significant changes since last survey)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies Mallard & Geese

Other significant observations: Stream runs through narrow band of land between mature woodland by TM, still very polluted entering by high dam. River Managed as nature reserve by Trust

S ALDERS *(tick appropriate box(es))*

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7157

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 618847 River: MAR DYKE

Date 14/5/1996 Time: 12:00 Surveyor name N. CRIEVE Accreditation code. DE 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

NB IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

NB CAMERA JAM - probably no photo.

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JIFF) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ¹ = one entry only

Spot check 1 is: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fenced/fenced										
Material ¹ *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SB,BW*	EA	EA	SA	SA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,MO,EC,SC,PB,WP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL Substrate Shape Flow Type Channel Modification Channel Feature										
Channel substrate ¹ *NV,BE,BO,CO,GR,GS,EA,PE,AR*	GP	GP	GP	GP	GP	GP	GP	GP	SI	CL
Substrate shape *FL,OV,EL,SP,CU,PO,DI, Others - note*	IR	IR	IR	NV	IR	NV	IR	NV	-	-
Flow type ¹ *FF,CH,BW,UW,CF,RP,UP,SM,NP,NO*	SM	SM	SM	SM	SM	SM	U	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fenced/fenced										
Material ¹ *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,SB,BW*	SA	EA	SA	EA	SA	EA	EA	SA	EA	SA
Bank modification(s) *NE,MO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,WP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, WH, SC, TH, RP, IG, TI, WI, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	TH	IG	IG
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *B/U/S/C*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* *B/U/S/C*	S	U	S	S	S	C	C	U	U	U
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	C	C	C	C	C	C	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect; E (≥33%) and M (≥5% cover) within 1m (vertical) x 2m...)*

NONE / PLANT GENERA - list first 5			✓			✓	✓	✓		✓
Bryophytes/lichens										
Emerg broad-leaved herbs	Apium									✓
Emerg reeds/sedges/rushes	Phalaris Sparganium	✓								✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓			✓	✓			✓	✓	✓

SITE NO. 7157 1996 RIVER HABITAT SURVEY: CONTINUOUS RECORDS Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (10m wide transect)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*	E	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs* rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*		

I BANK SIDE SECTION MODIFICATIONS (10m wide transect)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☒	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐ very little
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K MAJOR AND MINOR FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(10m wide transect at site of cross-section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	5.5	RIGHT BANK	
Banktop height (m)	1.2	Water width (m)	4.2	Banktop height (m)	4.0
Embanked height (m)		Water depth (m)	0.3	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = 1.1 width(m) = 5.2

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M ANTHROPOGENIC FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q BANKSIDE NUISANCE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OTHER MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: Skylarks. other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Mostly straight + Overdeepened channel

S BANKSIDE TREES

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

NB NOT Alders, but the few trees that are along the bank are mostly dead or dying!! ? English Elm.

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7158

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 768847 River: UN-NAMED.

Date: 31/5/1996 Time: 15 45 Surveyor name: N. GROVE Accreditation code: PF12

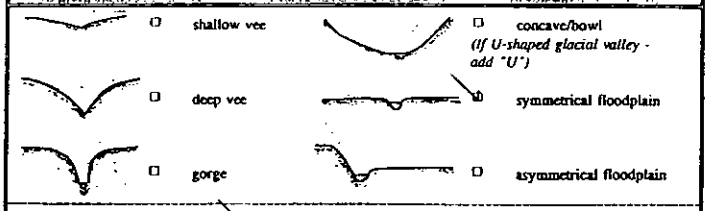
Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)* (9)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use DIY) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ✓ = one entry only

Spot check ✓ is: ☐ upstream ☐ downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (functional) fence										
Material *MV,BE,BO,CO,GS,EA,PE,CI,CC,SP,WP,GA,SH,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RM	RM	RM	PC RM	RM	RM	RS	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if (functional) fence										
Channel substrate ' *MV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,PO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type ' *FF,CH,RW,UW,CF,RP,UP,SM,NP,NO*	NP	NP	NP	NP	NP	NP	SM	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,PO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV,NO,BO,MB,VB,MI,IW*	NO	NO	NO	NO	NO	NO	V	NO	NO	NO
RIGHT BANK TICK if (functional) fence							V			
Material *MV,BE,BO,CO,GS,EA,PE,CI,CC,SP,WP,GA,SH,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RM	RM	RM
Bank feature(s) *MV,NO,FC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* *B/U/S/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *B/U/S/C*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* *B/U/S/C*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* *B/U/S/C*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION CLASS *(% cover)* Stage 1

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	E	V	V	E	E	V	V	E	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	V	E	E	E	E	V	V	V	E	V

SITE NO. 7158 1996 RIVER HABITAT SURVEY - BOOM SWEEP Page 3 of 4

H BANK AND TOP WITHIN 5m OF BANKTOP (L/R) (tick one box per column)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*	V	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs' *rank vegetation* (TH)			Suburban/urban development *(SU)*		

I BANK PROFILE (tick one box per column)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	V	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	V		Reinforced - top only		
Gentle	V		Reinforced - toe only		
Composite			Artificial two-stage	E	V
			Poached	E	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES (% LENGTH)

TREES *(tick one box per bank)*

	Left	Right
None	☒	☒
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☒	☐	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K EXTENT OF INSTREAM FEATURES (% LENGTH)

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☒	☐	☐
Run(s)	☒	☐	☐
Boil(s)	☒	☐	☐
Glide(s)	☐	☒	☐
Pool(s)	☐	☒	☐

(where channel narrows for culvert)

	None	Present	E (≥33%)
Unvegetated deadwater	☐	☐	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☒	☐	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK/STAGNANT

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(measured at a representative section of the reach)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.25	Banktop width (m)	20.0	Banktop height (m)	2.25
Embanked height (m)	/	Water width (m)	5.0	*Embanked height (m)*	/
		Water depth (m)	0.5		

If trashline lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐ (SILT)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M ARTIFICIAL MODIFICATIONS

None ☐ Number of Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST *(tick appropriate box (es))*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐ (although Paragraph 1 is along BM)

Q NOTABLE NUISANCE PLANT SPECIES *(tick one box per species)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - (yellow) grey wagtail + Skylark sand martin - heron - dragonflies/damselflies

Other significant observations: (Fox seen) *Also brackish prawns in channel ie: ? Palaemonidae.

S ALDERS *(tick appropriate box (es))*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: with TCC modifications, spaces and fencing

BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7159

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 853887 River: UN-NAMED TRIB TO ROACH

Date 13/5/1996 Time 13.30 Surveyor name N. SIEVE Accreditation code PE12

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box) (13)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☑ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ deep vee
- ☑ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND CONTACTS (if more, add on back)

Riffles 9 Unvegetated point bars

Pools 3 Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use 1MT) for - Riffles 9 Pools 3 Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) ' = one entity only

Spot check 1 m upstream ☑ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional (use top)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	BR
Bank modification(s)	NO	RS	RS	NO	RS	NO	RS	RS	RS	NO
Bank feature(s)	NO	NO	SB	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if fractional (use top)										
Channel substrate *	AR	GP	GP	GP	GP	SI	GP	BR	SD	CL
Substrate shape	—	OV	OV	OV	OV	'	OV	OV	OV	CI
Flow type *	SM	SM	UW	SM	SM	NP	SM	SM	RP	SM
Channel modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	TR	NO	NO	TR	NO	TR	TR	NO	NO	NO
RIGHT BANK TICK if fractional (use top)										
Material *	EA	EA	EA	EA	EA	EA	EA	BR	EA	EA
Bank modification(s)	NO	RS	NO	RS	RS	RS	RS	NO	RS	NO
Bank feature(s)	NO	NO	NO	NO	SB	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, HH, SC, TH, RF, IG, IT, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	BL	SU	SU	SU	SU	SU	SU	TH	TH
LEFT BANK-TOP (structure within 1m) BA/UC	U	S	U	S	S	U	U	U	S	S
LEFT BANK FACE (structure) BA/UC	S	L	S	S	S	U	U	U	S	U
RIGHT BANK FACE (structure) BA/UC	S	L	B	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/UC	U	S	U	C	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	TH	IG	SU	TH	TH

CHANNEL VEGETATION TYPES (Use DAFOR scale)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				↘		↘				↘
Emerg broad-leaved herbs	None									↘
Emerg reeds/sedges/rushes	Carex sp.						↘			
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	↘	E	VE		E	↘	E	↘	E

ITE NO. 7159 1996 RIVER HABITAT SURVEY: SPOT CHECKS AND FIELD DATA SHEET Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (Tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	↘	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (HH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb / rank vegetation (TH)	↘	↘	Suburban/urban development (SU)	E	E

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	↘	↘	Recectioned	E	E
Slope < 45°			Reinforced - whole bank	↘	↘
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only	↘	↘
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

BANKSIDE COVER AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☐	☐
Undercut near banks	☐	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☐	☐

CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☐	☐	☐	Marginal dead-water	☐	☐	☐
Cascade(s) (>>rapid)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features): RIFFLE / GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull width (m)		Bankfull width (m)	5.7	Bankfull width (m)	
Bankfull height (m)	1.25	Water width (m)	2.1	Bankfull height (m)	1.25
Embanked height (m)	—	Water depth (m)	0.04	Embanked height (m)	—

If trapezium lower than bankfull break in slope, indicate: height (m) = 0.45 width (m) = 3.0

Bed material at site is: consolidated (complex) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = 2 Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

ENGINEERING

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other? State

ADJACENT LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pan ☐ Fluvial ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

ALIEN PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mainly Rhododendron bushes

OVERALL IMPACT

Major impacts: bankfill - dipping (weir) sewage - pollution - drought - abstraction - mill - dam - canal - mill - industry - housing - mining - quarrying (overdeepening) - afforestation - fisheries management - tidying - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very straight RS channel - overdeepened - Urban Train

ALDER

Alder? None ☑ Present ☐ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

A BACKGROUND/ADMINISTRATIVE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 7160

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 994 738 River: Thaw

Date 15/5/1996 Time: 1445 Surveyor name MG Accreditation code. PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee — ☑ symmetrical floodplain
☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D SURVEY SECTION NOTES AND POINT BAR

Riffles 1 — Unvegetated point bars 0
Pools 0 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1998 RIVER HABITAT SURVEY: SYSTEM SPOT CHECK

TALLY (use 1ff) for - Riffles | Pools | Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel at each spot check)

Spot check 1 in: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material [BE,BO,CO,GR,SA,PE,CL,SI,SP,VP,GA,AR,BA,AN]	EA	EA	EA	EA	NV	EA	EA	EA	EA	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,ED]	NO	NO	PC	PC	NE	NO	NO	PC	NO	NO
Bank feature(s) [NO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NE	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [BE,BO,CO,GP,SA,SI,CL,PE,AR]	GS	GI	SI	GP	NV	NV	NV	GP	GP	GP
Substrate shape [FL,CV,CC,ST,CU,PO,SE,Others - note]	NV	NA	NA	IR	NA	NA	NA	IR	IR	IR
Flow type [FT,CH,BW,SW,CT,RP,SP,SM,MP,NO]	SM	RP	RP	SM	SM	SM	SM	RP	RP	SM
Channel modification(s) [NE,NO,CV,RS,RI,DA,FO]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) [NV,NO,RO,MB,PB,MI,TR]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material [BE,BO,CO,GR,SA,PE,CL,CC,SP,VP,GA,AR,BA,AN]	EA	EA	EA	EA	NJ	EA	NV	EA	L	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,ED]	NO	NO	NO	NO	NE	NO	NE	NO	NO	NO
Bank feature(s) [NV,NO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NE	NO	NE	NO	NO	NO
LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from BL, CF, OR, MR, SC, TH, RP, IG, TL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BA/SC	S	C	U	S	C	V	S	S	V	S
LEFT BANK FACE (structure) BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	S	S	C	C	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/SC	S	V	C	S	S	V	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	AH
CHANNEL VEGETATION TYPES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Berula/Rumex	✓	✓	✓		✓	✓	E	✓	E	✓
Emerg reeds/sedges/rushes		✓			✓	✓	✓	✓			✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved	Callitriche	✓	E	E	✓		E	✓	✓	E	✓	E
Submerg fine/linear-leaved	Ranunculus		✓	✓	✓		E	✓	✓		✓	E
Filamentous algae	Cladophora							✓	✓			

1998 RIVER HABITAT SURVEY: SYSTEM SPOT CHECK

LAND USE WITHIN 50m OF BANKTOP (to be assessed over whole channel length)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

BANK CHARACTER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment		
Vertical 0 - 1m			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite	E	E	Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankment		

TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run - Glide

1998 RIVER HABITAT SURVEY: DIMENSIONS AND DISTANCES

CHANNEL DIMENSIONS (to be assessed at spot check and at each riffle cross section)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.4	Banktop width (m)	5.0	Banktop height (m) 0.4
Embanked height (m)		Water width (m)	4.0	*Embanked height (m)*
		Water depth (m)	0.40	

If bankline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL FEATURES (within and up to 50m from channel)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT (within and up to 50m from channel)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

ALGAL GROWTH (within channel)

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bag ☐ Other (state) .....
Boulder/stone channels ☐ Natural open water ☐ Cart ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE TREE SPECIES (within 10m of channel)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bushes

OVERALL ENVIRONMENT

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Abundant macrophyte growth in a small, slow flowing stream running through grazed valley.

ALGAE

Algae? None ☑ Present ☐ Extensive ☐ Diatomed Algae? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7163

Mid-site grid reference of network site if different from designated location:

Grid Reference: 448733 River: PORTBURY DITCH

Date 30/4/1996 Time: 9.30 Surveyor name I HARRIS Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

) COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use SRT) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES

Spot check 1 m² upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional zone										
Material	PE	EA	EA	EA	CA	EA	EA	PE	BO	EA
Bank modification(s)	NO	NO	NO	NO	NO	PC	PC	PC	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	SI	SI	SI	NV	NV	NV	NV	NV
Substrate shape	✓	✓	✓	.	.	.	.	.	.	.
Flow type	NP	NP	NP	SM	SM	SM	NP	NP	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone										
Material	NV	CA	EA	EA	EA	EA	EA	CA	BR	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	SC	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(for 5m x 2m zones over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, RC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	SC	SC	IG	IG	IG	SC	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	C	S	S	B	U	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	C	S	U	S	U	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	U	U	U	B	U	U	B	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	RP	RP	RP

G BANKSIDE VEGETATION *(for 5m x 2m zones over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs								✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓			✓	✓	✓		✓	E
Floating-leaved (rooted)										
Free-floating								✓		
Amphibious										
Submerged broad-leaved		✓								
Submerg fine/narrow-leaved		✓	✓	✓	✓					
Filamentous algae										

TE NO. 7163

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		E
oniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
hard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E		Open water (OW)		
"built" land vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Revetment		
ical + toe			Reinforced - whole bank		
(>45°)	E		Reinforced - top only		
Gentle	E		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Is predominant flow sequence (*select up to three features*): RI RU DE

H CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	6·5	RIGHT BANK	
Bankfull height (m)	0·6	Water width (m)	6 m	Bankfull height (m)	·6C
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If trapezium lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ *unknown* ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I MAN-MADE FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J SURVEY OBSTRUCTIONS

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

K FEATURES OF CONSERVATION INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

L FLOOD CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M RIPARIAN CHANCE INTEREST

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mettle Rhododendron bracken

N MAN-MADE MODIFICATIONS

Major Impacts: (none) - dipping - lime - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies BUZZARD, SKYLARK

Other significant observations: SITE WAS NEXT TO OLD LANDFILL - NOW RECLAIMED TO "PF" OTHER NEARBY DITCHES APPEAR RECENTLY STRAIGHT ALTHOUGH APPARENTLY CLEAN. SITE WAS STAGNANT (ACCELERON) & DEEP & AMONIA SMELL FROM NEARBY VILLAGE DRAIN INTO IT. HOWEVER SITE IS SURROUNDED BY FENCED AREAS.

O ADJACENT LAND USE

Alders? None ☐ Present ☑ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

A. BACKGROUND MAP AND SITE INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. SURVEY DETAILS

Reference network site number: 7164

Mid-site grid reference of network site if different from designated location:

Grid Reference: SO5713 River: LAUGHTON

Date: 30/4/1996 Time: 1220 Surveyor name: I HARRIS Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. HABITAT SURVEY TALLY BOOKS AND POINTS

Riffles ○	Unvegetated point bars ○
Pools ○	Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ATTRIBUTES

TALLY (use *first*) for - Riffles Pools Unveg. side bars Veg point bars

H. PHYSICAL ATTRIBUTES (to be assessed across channel cylinder 1 m wide if practical)

Spot check 1 m upstream of downstream ○	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NC	NC	NC	NO	NO	NC	NC	NC
CHANNEL										
Channel substrate	SA	NV	AP	NV	GP	SA	SA	SI	SI	SI
Substrate shape	/	/		-	IR	/		-		
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NC	NO	NO	NO	NO	NO	NO	NO	NO	NC
RIGHT BANK ☑ tick if functional fence	✓						✓			
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NC	NC	NC	NC	NC	NO	NC	NO	NC	NC

I. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed across 10m wide channel)

Land use: choose one from BL, CP, OR, SCR, SC, TH, RP, IG, TL, WL, OW, SU

								Major Type	
LAND USE WITHIN 5m OF BANKTOP (L)	BL	RP	RP	RP	RP	BL	BL	BL	RP	IG
LEFT BANK-TOP (structure within 1m) BR/US/C	S	S	S	S	S	S	S	S	S	C
LEFT BANK FACE (structure) BR/US/C	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BR/US/C	U	S	S	S	S	S	S	B	S	S
RIGHT BANK-TOP (structure within 1m) BR/US/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	BL	TL	TL	TL	TL

J. BANKSIDE VEGETATION (ticks)

NONE / PLANT GENERA - list first 5											
NONE	✓					✓	✓	✓			
Bryophytes/lichens											
Emerg broad-leaved herbs		E	E!	E	E				E		
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)									✓		
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae									✓		

SITE NO. 7164

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ATTRIBUTES

G. CHANNEL DIMENSIONS (to be assessed across 10m wide channel)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.5	Banktop width (m)	2-1	Banktop height (m)	0.5
Embanked height (m)		Water width (m)	1.8	*Embanked height (m)*	
		Water depth (m)	0.1		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

K. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = 1 (2) Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

L. RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

M. FEATURES OF CHANNEL INTEREST

None ☐					
Waterfalls > 5m high ☐		Artificial open water ☐		Bog ☐	Other (state) .....
Braided/side channels ☐		Natural open water ☐		Carr ☐	
Debris dams ☑		Water meadow ☐		Marsh ☐	
Leafy debris ☑		Fen ☐		Flush ☐	

N. CHANNEL CONTROL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑ *Approx%*

O. NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle, Rhododendron bushes

P. OTHER FEATURES

Major impacts: bankfill - dipping - litter - sewerage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tipping - other? =

Land Management: not-arable - buffer strip - headland - abandoned land - parkland - MoD - other? = ARABLE LAND LEFT.

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: STRAIGHTENED CHANNEL RUNNING THRU VARIOUS DISTINCT AREAS - OPEN, CANALISED CHANNEL WITH EPATL-TO-RESECT-WALKER OF RECOVERING LAND. WAS NICE ENOUGH TO BE ONLY MANAGED ALTHOUGH NOT RECENTLY

Q. SURVEY CONDITIONS

Aldens? None ☐ Present ☑ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* - most vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

R. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous*	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

S. CHANNEL FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Ox-bow(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE → → → (when not choked!)

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Page 2 of 4

TALLY (use |||) for - Riffles | Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	SC	EA	EA	EA	EA	EA
Bank modification(s)		RS			RS	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO		NO		NO	SC	NO	SC	SC
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape										
Flow type	SM	UW	RP	UW	RP	RP	UW	FC	UW	UP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, HN, IC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SU	SU	SC	SU	SC	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BU/SC		B	S	S	S	S	SW	S	S	S
LEFT BANK FACE (structure) BU/SC	S	S	B	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BU/SC	S	C	S	S	S	S	S	S	B	C
RIGHT BANK-TOP (structure within 1m) BU/SC	S	C	S	S	C	C	U	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	IG	SC	SC	SC

G CHANNEL VEGETATION TYPES (10m wide transect)

NONE / PLANT GENERA - list first 5				/		/				
Bryophytes/lichens					/			/	/	
Emerg broad-leaved herbs	✓									
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Amphibious							✓		✓	
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SITE DETAILS

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 765

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 669741 River: SYSTON BROOK

Date 1/5/1996 Time: 1130 Surveyor name I HARRIS Accreditation code. PF36

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* RECENT HIGH FLOWS LEVEL TO TOP OF WATER TO MURKY

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 11 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BR20 6BB

SITE NO. 765

SECTION 2 - SURVEY DETAILS

	L	R		L	R
Mixed/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Herbs: giant vegetation (TH)			Suburban/urban development (SU)	✓	

SECTION 3 - SURVEY DETAILS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned	E	E
Cliff + toe			Reinforced - whole bank	✓	✓
Slope (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Terrace			Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments		

SECTION 4 - SURVEY DETAILS

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

SECTION 5 - SURVEY DETAILS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Ic predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE

SECTION 1 - CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.75	Banktop width (m)	4.8	Banktop height (m)	0.75
Embanked height (m)		Water width (m)	4.5	*Embanked height (m)*	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

SECTION 2 - ARTIFICIAL INFLUENCE

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other = DISUSED QUARRY RAILWAY
In water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

SECTION 3 - RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

SECTION 4 - FEATURES OF SPECIAL INTEREST

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

SECTION 5 - CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

SECTION 6 - BANKSIDE VEGETATION (10m wide transect)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

SECTION 7 - OVERALL ASSESSMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: DERELICT MILL & MILL RACE NEARBY. ACCESS TO RIVER RESTRICTED AS SMALL AREA OF FIELD BY ROAD (APPROACH ROAD < 2 AND MORE WATER AND LESS (APPROX) USED BY FARMER.

SECTION 8 - ALDER

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7166

Mid-site grid reference of network site if different from designated location:

Grid Reference: ST NGR 783701 River: ST. CATHERINES BROOK

Date: 1/5/1996 Time: 4.00 Surveyor name: I Harris. Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ . If yes, state .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☑ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
... and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND SIMILAR FEATURES *(within 100m of site)*

Riffles 3 Unvegetated point bars 3

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY — FIELD SURVEY FORM — Page 2 of 2

TALLY (use 5M) for - Riffles //// Pools Unveg. marginal bars /// Veg point bars

E1 PHYSICAL ATTRIBUTES *(for the assessment section of the site - 100m only)*

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK √ (functional) items*										
Material	CL	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NC	NC	NC	NO	NO
Bank feature(s)	NO	CC	NO	NO	SC	NO	NO	NC	SC	NO
RIGHT BANK *TICK √ (functional) items*										
Channel substrate	NV	NV	NV	SI	SA	GR	GR	SA	SA	NV
Substrate shape										
Flow type	SM	RP	SM	SM	SM	RP	RP	SM	SM	SM
Channel modification(s)	NC	NC	NC	NC	NO	NO	NO	No	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK √ (functional) items*										
Material		CL	FC	CA	CL			EA	CL	CL
Bank modification(s)	NO	NO	SR	NO	NO	NO	NO	NO	NO	NC
Bank feature(s)	NO	FE	NO	SC	RP	NO	NO	NO	NO	NO

E2 BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over 5 bankside widths)*

Land use: choose one from BL, CF, OR, MH, IC, TH, RP, IG, IU, HA, OW, AU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	SG	IG	IG	IG	IG	IG	IG	SC
LEFT BANK-TOP *(structure within 1m)* BANDS	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* BANDS	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BANDS	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BANDS	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	EL	SC	IG	IG	IG	IG	IG	IG	RP

E3 CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5	✓	✓					✓	✓		
Bryophytes/lichens			✓	✓	✓					
Emerg broad-leaved herbs						✓				
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										✓
Submerged fine/linear-leaved										
Filamentous algae									✓	

SITE NO. 7166

E4 BANK PROFILE

	L	R
Broadleaved/mixed woodland (BL)		✓
Coniferous plantation (CF)		
Orchard (OR)		
Moorland/heath (MH)		
Scrub (SC)		✓
Tall herbs* and vegetation (TH)		

	L	R
Rough pasture (RP)		✓
Improved/semi-improved grass (IG)	∈	∈
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SD)		

	L	R
Natural/unmodified		
Vertical/undercut		
Vertical + toe		
Slump (>45°)	∈	∈
Gentle		
Composite		

	L	R
Artificial/modified		
Reinforced		
Reinforced - whole bank		✓
Reinforced - top only		
Reinforced - toe only		
Artificial toe-stage		
Perched		
Embanked		
Set-back embankments		

E5 TREES *(tick one box per bank)* and ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right
None	☐	☐
Isolated/occasional	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging bushes	☐	☐	☐
Exposed bankside roots	☐	☑	☐
Undercut bog roots	☐	☐	☐
Fallen trees	☐	☑	☐
Crown woody debris	☐	☐	☐

E6 CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Mid-channel shoal/bar	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Marginal shoal(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE - RUN - SLOW

E7 CHANNEL DIMENSIONS AND MEASUREMENTS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.0	Bankop width (m)		Bankop height (m)	0.9
Estimated height (m)		Water width (m)	1.6	*Estimated height (m)*	
		Water depth (m)	0.05		

If trashline lower than bankop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ subgravel ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*.

E8 CHANNEL MODIFICATIONS

None ☐ Number of - Culverts = Weirs = Outfalls = 1 Fords = Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

E9 LAND USE

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

E10 ALTERATIONS TO CHANNEL BANKS

None ☐ Waterfalls > 5m high ☐ Bridges/tide channels ☐ Debris dams ☑ Leaky debris ☑ Artificial open water ☐ Natural open water ☐ Water meadow ☐ Fen ☐ Bay ☐ Other (state) ..... Carr ☐ Marsh ☐ Fluvial ☐

E11 CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

E12 INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Native Rhododendron bracken

E13 OTHER FEATURES

Major impacts: bridge - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - weed - rail - industry - boating - mining - quarrying - overdeepening - afforestation - fisheries management - shing - other? -

Land Management: set aside - buffer strip - broadleaf - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Small stream in steep sided valley. Flow & Cross section varying. Fresh. Tube largely managed & blocked by trees & debris - often placed. Bed & valley side ? Natural

E14 ALGAL GROWTHS

Algae? None ☐ Present ☐ Extensive ☑ Diatom? Algae? None ☑ Present ☐ Extensive ☐

Mostly clay soil over shale definitely - was - not looked

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7168

Mid-site grid reference of network site if different from designated location:

Grid Reference: 940741 River: MARDON

Date 3.5./1996 Time: 9.30 Surveyor name I.HARRIS Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if total number)*

Riffles 1 Unvegetated point bars

Pools 1 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E RIVERBANK SURVEY

TALLY (use DAY for - Riffles, Pools, Unveg. side bars, Veg point bars)

E PHYSICAL ATTRIBUTES *(to be assessed across channel (whether it is / is not wide crossed))*

Spot check 1 m upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	SB	NO	EC	NO	NO
CHANNEL										
Channel substrate	GP	NV	NV	GP	NV	GP	GP	NV	NV	SA
Substrate shape										
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material	NV	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	SC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, MR, SC, TH, RP, HO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U	U	S	S	S	U	S	S	S	S
LEFT BANK FACE *(structure)*	U	U	U	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)*	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	TL	SC	SC	SC	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											✓
Emerg broad-leaved herbs							✓	✓	✓		✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Floating-leaved (rooted)											
Free-floating											
Amphibious			✓					✓			✓
Submerged broad-leaved											
Submerg fine/linear-leaved					✓	✓					✓
Filamentous algae	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓

7168

A BANKSIDE LAND USE

	L	R		L	R
Semi-natural woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Gravel pit			Open water (OW)	E	
Salt marsh vegetation (TH)			Suburban/urban development (SU)		

B ENGINEERING

	L	R		L	R
Natural/unmodified			Artificial/modified		
Revetment	✓	✓	Reinforced	E	E
Wall			Reinforced - whole bank		
Gabion (>45°)			Reinforced - top only		
Cattle poaching			Reinforced - toe only		
Weirs			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankment		

C CHANNEL MODIFICATIONS

RES *(tick one box per bank)*

	Left	Right
None	☐	☐
Dredged/recent	☐	☐
Relatively recent, single	☐	☐
Multiple historical changes	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

D CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Chute(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☐	☐
Riffle(s)	☑	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Predominant flow sequence *(select up to three features)*:

E CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	3	Banktop width (m)	9.0	Banktop height (m)	3.5
Embanked height (m)		Water width (m)	6.6	*Embanked height (m)*	
		Water depth (m)	0.6		

If trashline lower than banktop break in slope, indicate: height (m) = 2 width(m) = 8.5

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

F CHANNEL FLOW STATUS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

G EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

H FEATURES OF SPECIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Pools	☐

I CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

J NOTABLE RIVERBANK PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

K IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = AGRICULTURE

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies
KINGFISHER V S

Other significant observations: Low water levels between riffles, low flow, open shallow pools between riffles with deep [illegible] still pool at bottom of riffle, [illegible] through deep channel and over natural gravel bed, although gravel is [illegible] some [illegible] through [illegible]

L ALDER/ASH

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

and he also kept saying how [illegible] was [illegible] how [illegible]

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7169

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date: 21/5/1996 Time: 3.30 Surveyor name: I Harris Accreditation code: PF36

Adverse conditions affecting survey? No ○ Yes ○ *If yes, state* .....

Bed of river visible? No ☑ partially ○ entirely ○ *(tick one box)*

IFE single photograph: general character? No ○ Yes ○ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature? No ○ Yes ○ *(tick one box)*

Site surveyed from: left bank ○ right bank ○ channel ○ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

○ shallow vee		○ concave/bowl *(If U-shaped glacial valley - add "U")*	
○ deep vee		○ symmetrical floodplain	
○ gorge		○ asymmetrical floodplain	

Terraced valley floor? No ☑ Yes ○ | IFE - VALLEY FORM NOTES:

D TALLY OF RIFFLES, POOLS AND POINT BARS

Riffles Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CONDITION SHEET

TALLY (see Bill) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across a 10m wide channel)*

Spot check 1 = upstream ○ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *(BE,BO,CO,CL,SA,PE,CI,CC,SI,ST,CA,AR,ZZ,FF)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,RO,ES,RI,FC,BM,ZZ)*	RS		RS		RS	RS	RS	RS	RS	
Bank feature(s) *(FF,PO,EC,BC,PB,TF,SB,VE)*	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
CHANNEL										
Channel substrate *(FF,BE,BO,CO,CF,SA,RO,CL,PE,AR)*	CL	CL	CL	CL	CL	CL	CL	CL	CL	GP
Substrate shape *(FL,CH,CL,TF,CO,FO,BL,Others - note)*										
Flow type *(FF,CH,BW,SW,EF,EP,SH,SM,PP,NO)*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	RS	RS	RS	RS		RS	RS	RS	RS	
Channel feature(s) *(FF,PO,BO,SB,VB,MI,TR)*	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RIGHT BANK TICK if functional fence					TOLD					
Material *(BE,BO,CO,CL,SA,PE,CI,CC,SI,ST,CA,AR,ZZ,FF)*	SA				SA					SA
Bank modification(s) *(NE,RO,ES,RI,FC,BM,ZH)*	RS				RS					RS
Bank feature(s) *(FF,PO,EC,BC,PB,TF,SB,VE)*	NC				NC					NC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide channel)*

Land use: choose one from TE, CP, OR, HH, RC, IN, SP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP *(structure within 1m)* BAWSC	S				S	S				
LEFT BANK FACE *(structure)* BAWSC										
RIGHT BANK FACE *(structure)* BAWSC										
RIGHT BANK-TOP *(structure within 1m)* BAWSC					S					
LAND USE WITHIN 5m OF BANK TOP (R)	IG		IG		IG	IG			IG	

G CHANNEL VEGETATION NOTES *(to be assessed over a 10m wide channel)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	E	✓		✓		✓		✓
Emerg reeds/sedges/rushes	✓	E	✓	E	✓	E	✓	E	E	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious									✓	
Submerged broad-leaved	E	✓	✓	✓		✓	E	✓	✓	✓	✓
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	E	✓		✓	✓	✓	✓	✓	

SITE NO. 7169

H CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK		Bankop width (m)	4.0	RIGHT BANK	
Bankop height (m)	1.0	Water width (m)	[illegible]	Bankop height (m)	1.0
Embanked height (m)		Water depth (m)	0.5	Embanked height (m)	

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (compact) ☑ unconsolidated (loose) ○ bedrock ○

Location of measurement is: ..cliffe ○ run or glide ☑ other ○ *(tick one box)*

I CHANNEL MANAGEMENT

None ○ Number of: Culverts = Weirs = Outfalls = Fords = 1
Footbridges = 1 Roadbridges = Other =
Is water impounded by weirs/dams? No ☑ Yes, <33% of site ○ >33% of site ○

Mown ☑ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State

J FEATURES OF CHANNEL AND BANKTOP

None ○
Waterfalls > 1m high ○ Artificial open water ○ Bog ○ Other (note) .....
Braided/relic channels ○ Natural open water ○ Cliff ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

K CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ○

L TREES AND SHRUBS

None ☑ Great Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mahonia Rhododendron bushes

M OTHER OBSERVATIONS

Major impacts: culvert - dredging - fence - footpath - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tubing - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: mice - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: recovering bypassed channel. Unvegetated point bar.

N ALDERS

Alders? None ○ Present ☑ Extensive ○ Diseased Alders? None ☑ Present ○ Extensive ○

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	○	○
Overhanging bough(s)	☑	○	○
Exposed bankside roots	☑	○	○
Underwater tree roots	☑	○	○
Fallen trees	☑	○	○
Coarse woody debris	☑	○	○

	None	Present	E (≥33%)
Waterfall(s)	☑	○	○
Cascade(s)	☑	○	○
Rapid(s)	☑	○	○
Riffle(s)	○	☑	○
Run(s)	○	☑	○
Boil(s)	☑	○	○
Glide(s)	○	○	☑
Pool(s)	○	○	☑

	None	Present	E (≥33%)
Marginal deadwood	○	☑	○
Exposed bedrock	☑	○	○
Exposed boulders	☑	○	○
Unvegetated mid-channel bar(s)	☑	○	○
Vegetated mid-channel bar(s)	☑	○	○
Natural island(s)	☑	○	○
Unvegetated side bar(s)	☑	○	○
Vegetated side bar(s)	☑	○	○

Indicate predominant flow sequence *(select up to three features)*:

BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7172

Mid-site grid reference of network site if different from designated location:

Grid Reference: 352769 River: LARBORNE

Date 31/5/1996 Time: 9.20 am Surveyor name Lanthorn Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee

☐ deep vee

☐ gorge

☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

RIVER BED SUBSTRATE AND LAND USE (tick as appropriate)

Riffles ○	Unvegetated point bars ○
Pools ○	Vegetated point bars ○

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WILSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (1000 m)

TALLY (use 5bf) for - Riffles | Pools | Unveg. side bars | Veg. point bars

PHYSICAL ATTRIBUTES

Spot check 1 at upstream ☑ downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	CC	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	SM	SM	SM	SM	RP	RP	RP	SM	RP	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	UI	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, MR, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BA/S/C	S	S	S	C	S	S	C	S	S	S
LEFT BANK FACE (structure) BA/S/C	S	S	S	C	S	S	C	S	S	S
RIGHT BANK FACE (structure) BA/S/C	S	S	S	C	S	S	C	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/S/C	S	S	S	C	S	S	C	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	IG	IG	IG	IG	IG

QUANTIFICATION OF PLANT SPECIES (Full species list on page 3)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓		✓		✓		✓	✓
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										✓
Free-floating										
Submerged										
Submerged broad-leaved	✓	✓								
Submerged fine/linear-leaved	✓	E								E
Filamentous algae										

RIVER HABITAT SURVEY (500 m)

NO. 7172

SIDE SECTION (Left / Right)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantations (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs" and vegetation (TH)			Suburban/urban development (SU)		E

BANK SECTION (Left / Right)

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Reinforced	E	E
Gentle <45°		✓	Reinforced - whole bank	✓	✓
Composite	✓		Reinforced - top only		
			Reinforced - toe only		
			Artificial revetments		
			Flood bank		
			Embanked		E
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Many/continuous	☐	☑
Lines/avenues	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	E
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Pool(s)	☑	☐	☐
Deep(s)	☐	☐	☑
Fall(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): GLIDE

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS (to nearest 0.1m)

LEFT BANK				RIGHT BANK	
Bankface height (m)	0.75	Bankface width (m)	8.0	Bankface height (m)	0.75
Embanked height (m)		Water width (m)	5.9	Embanked height (m)	0.5
		Water depth (m)	0.5		

If trashline lower than bankface break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords = (1)
Footbridges = (1) Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RIVER MANAGEMENT

None ☑

Dredging ☐ Recently ☐ Weed cutting ☐
Enhancement ☐ Other ? State

ADJACENT LAND USE

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state):
Bridges/wide channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

OVERALL RIVER MANAGEMENT

Major impacts: bankfill - tipping - litter - sewage - gulleys - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: River follows road - 4 low recessions / straight. 1 ½ f remains upstream.

LAND USE CHANGE

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and facing | Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7174

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU538730 River: PANG

Date 4/7/1996 Time: 11.00 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow v-o-c
- ☐ deep v-o-c
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☒ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2 Unvegetated point bars

Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS | Page 2 of 4

TALLY (use DAS) for - Riffles | Pools | Unveg. side bars | Veg. point bars

E PHYSICAL ATTRIBUTES (to be recorded across channel within 1m wide transect) * = see field codes

Spot check 1 i.e. upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *	BR	BR	BR	EA	EX	EX	EX	EX	EX	EA
Bank modification(s)	RI	RI	RI	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	VS	NO	NO
CHANNEL										
Channel substrate *	SI	SI	SI	SA	GP	SA	GP	GP	SA	GP
Substrate shape	NA	NA	NA	NA	RO	NA	RO	RO	NA	RO
Flow type *	SM	NP	NP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *	BR	BR	BR	EA	EA	EX	EA	EA	EA	EA
Bank modification(s)	RI	RI	RI	NO	NO	RS	RS	NO	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (tick all relevant zones that are present)

Land use: choose one from BL, CF, OR, MP, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	IL	IL	IL	IL	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	S	U	U	U	U	U	S	S	U
LEFT BANK FACE (structure)	U	U	U	S	S	S	C	S	S	S
RIGHT BANK FACE (structure)	S	U	U	U	U	S	S	S	U	C
RIGHT BANK-TOP (structure within 1m)	S	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	IG	IG	IG	IG	SU	IG	IG

G CHANNEL VEGETATION TYPES (tick all that are present) (estimate % cover)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens	✓			✓							✓
Emerg broad-leaved herbs (Sparg)					✓	✓				✓	✓
Emerg reeds/sedges/rushes (Iris)									✓	✓	✓
Floating-leaved (rooted) (Nuphar)	✓						✓	✓	E	✓	✓
Free-floating (Lemna)									✓		✓
Amphibious (Ranunculus aquatilis)				✓	✓	✓		✓		✓	✓
Submerged broad-leaved (Callitriche)					✓	✓	✓			✓	✓
Submerg fine/linear-leaved (Ranunculus)					✓	✓					✓
Filamentous algae	E	E	E	E	E	✓	✓	E	✓	E	✓

SITE NO. 7174 1996 RIVER HABITAT SURVEY: SPOT CHECKS | Page 3 of 4

H SUBSTRATE WITHIN 1m OF BANK (% cover)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	E	E

I BANK FEATURES (tick all that are present)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Revetment	E	E
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)		✓	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

J SURROUNDING LAND USE / ACTIVITIES (tick all that are present within 50m of bank top)

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☒
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K WATER FEATURES (tick all that are present within 1m of bank top)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bank(s)	☒	☐	☐	Meders inbank(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE (+ RF)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES | Page 4 of 4

L CHANNEL DIMENSIONS (for definitions see page 3 of field guide; record to nearest 0.1m)

LEFT BANK				RIGHT BANK	
Banktop width (m)			6.2	Banktop width (m)	
Banktop height (m)	0.95	Water width (m)	5.4	Banktop height (m)	0.62
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = 0.2 width (m) = 6.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL MODIFICATIONS (tick all that are present within 50m of bank top)

None ☐ Number of: Culverts = Footbridges = 1 Weirs = 2 Roadbridges = 1 Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☒

N RECENT CHANNEL MANIPULATION (tick all that are present within 1m of bank top)

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O ADJACENT OR OVERHEAD FEATURES (tick all that are present within 50m of bank top)

None ☐
Waterfalls > 5m high ☐
Braided/side channels ☒
Debris dams ☐
Leafy debris ☒
Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐
Bog ☐
Carr ☐
Marsh ☐
Flush ☐
Other (state) .....

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE PLANT SPECIES (tick all that are present within 50m of bank top)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

R OVERALL CHARACTERISTICS

Major impacts: bund(s) - tipping - litter - sewage - pollution - drought - abstraction (mill) dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? = LANDSCAPING

Animals: Brown Trout, otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Extensive algae c 1/3 1/3, Otherwise clear flowing - modified weir channel - none natural stream. Side channel.

S ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP AND GIS INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7175

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 699716 River: HOLYBROOK

Date 31/5/1996 Time: 11.40 Surveyor name(s): GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box each)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☒ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES AND POOLS

Riffles | Unvegetated point bars
Pools | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO AWSOM, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY SECTIONS

TALLY (see RHS) for - Riffles | Pools | Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES

Spot check ? u/stream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
CHANNEL										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	EM	NO	NO
Bank feature(s)	NO	NO	SC	SC	NO	SC	SC	NO	SC	NO
CHANNEL										
Channel substrate	NV	SP	NV	NV	NV	NV	NJ	NJ	SI	NV
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) †	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	RC	EM	EM	SM	RC	EM	SM	RC
Bank feature(s)	NS	NO	NS	NS	NO	NO	SB	NO	NO	NO

PREDOMINANT LAND USE / LAND COVER

Land use: choose one from AL, CP, OL, VR, RC, TR, SP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	IG	TH	TH	TH	TH	TH	IL	SC
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	S
LEFT BANK FACE (structure)	S	U	S	S	U	S	S	S	U	C
RIGHT BANK FACE (structure)	S	S	U	S	S	S	B	S	U	B
RIGHT BANK-TOP (structure within 1m)	U	S	U	U	S	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	IG	IG	SC	TH	SC	SC	TH	IG

PLANT SPECIES LIST

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens							✓	✓		
Emerg broad-leaved herbs (Sparganium ?)	✓		✓	✓		✓			✓	✓
Emerg reeds/sedges/rushes (Sc. ?, Phragmites, Carex)	✓		✓	✓		✓			✓	✓
Floating-leaved (rooted)										
Free-flowing										
Amphibious (Ranunculus ?, Veronica beccabunga)	✓		✓	✓						
Submerged broad-leaved (Elodea)						✓		✓		✓
Submerg fine/linear-leaved (Callitriche, Potamogeton)			✓			✓			✓	✓
Filamentous algae	✓	✓		✓	✓			✓		✓

† RS : dredging.

SITE NO. 7175

CHANNEL DIMENSIONS AND ANCILLARY INFORMATION

	L	R		L	R
Broadleaved/mixed woodland (BL)	✓		Rough pasture (RP)	E	
Conifer plantation (CP)			Improved/semi-improved grass (IG)		E
Arable and horticulture (OL)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)	✓	
Orchard (SO)		✓	Open water (OW)		
Suburban/urban development (TH)	✓	✓	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	E	✓	Resectioned		
Gentle (< 45°)	✓	E	E	Reinforced - whole bank	✓	✓
Steep (> 45°)	✓	E	E	Reinforced - top only	✓	
Gentle				Reinforced - toe only	✓	
Cliffs				Artificial (two-stage)		
				Poached		✓
				Embanked	E	E
				Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☒	☐
Regularly spaced, single	☐	☒ (both sides)
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☐	☒	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

	None	Present	5 (≥ 33%)
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☒	☐	☐
Run(s)	☒	☐	☐
Boil(s)	☐	☒	☐
Glide(s)	☐	☐	☒
Pool(s)	☒	☐	☐

	None	Present	5 (≥ 33%)
Marginal deadwater	☐	☒	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature island(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☐	☒	☐

Predominant flow sequence (select up to three features): GLIDE

† v. large London planes!

CHANNEL DIMENSIONS AND ANCILLARY INFORMATION

LEFT BANK				RIGHT BANK	
Bankop width (m)		8.75			
Bankop height (m)	0.8	Water width (m)	8.0	Bankop height (m)	0.8
Embanked height (m)	/	Water depth (m) (est.)	1.25	NK	Embanked height (m) /

If trashline lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

None ☐ Number of Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Embankment ☐ Other ? State .....

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Pan	☐	Fluvial	☐

Other (state) MEANDER

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Others? (Nettle, Rhododendron bushes)

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail embankment - housing - mining - quarrying - overdeepening - afforestation - fisheries management (fishing) other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = Chalkstream system.

Animals: (NOCTURNAL ACTIVITY) otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly damselfly

Other significant observations. Murky channel - ERA both banks - Dredging

OVERALL ASSESSMENT

Aliens? None ☐ Present ☒ Extensive ☐ Diseased Aliens? None ☐ Present ☒? Extensive ☐

A BACKGROUND MAP AND SITE INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7176

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 708747 River: THAMES.

Date 31/5/1996 Time: 1445 Surveyor name N GRIEVE Accreditation code PE 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box each)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add 'U')*
☐	deep vee	☐	symmetrical floodplain
☐	gorge	☒	asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D PREDOMINANT RIFFLE & POOL MORPHOLOGY *(tick one box each)*

Riffle	Unvegetated point bar
Pools	Vegetated point bar

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E RIVER CHANNEL SURVEY

TALLY (use ditto for - Riffles, Pools, Unveg. side bars, Veg. point bars)

Spot check 1 u upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CC	WP	WP	SP	SP	St	CC	CC	CC	RI
Bank modifications(s)	RI	RI	RI	RI	RI	RI	RI	RI	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	SI
Substrate shape	/	/	/	/	/	/	/	/	/	
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	CC	CC	CC	CC	CC	CC	CC	CC	CC	C
Bank modification(s)	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE/VEGETATION										
LAND USE WITHIN 5m OF BANKTOP (L)	RI	IG	IG	TI	RI	IG	IG	TI	IG	RI
LEFT BANK-TOP (structure within 1m)	S	U	U	S	C	U	U	S	I	C
LEFT BANK FACE (structure)	C	U	B	S	S	U	U	S	B	S
RIGHT BANK FACE (structure)	B	B	U	U	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	K	IG	K	IG	S	SU	SU

(SU)

NONE / PLANT GENERA - list first 5									↘	↘
Bryophytes/lichens	↘	↘	↘	↘	↘	↘	↘	↘		↘
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	↘		↘				↘			↘
Submerg fine/linear-leaved										
Filamentous algae										

F RIVER CHANNEL DIMENSIONS AND INFLUENCES

Channel dimensions

LEFT BANK		Bankfull width (m)	42.9	RIGHT BANK
Bankfull height (m)	0.7	Water width (m) (R)	42.0	Bankfull height (m) 0.7
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m) /

If bankline lower than bankfull break in slope, indicate: height (m) = / width(m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☒

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)* -

Artificial influences

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? Size: .....

Riparian zone

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Channel vegetation

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Bankside vegetation

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

Land use

Major impacts: landfill - tipping - litter - sewerage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: cut-weeds - buffer strip - broadleaf - abandoned land (pollard) MoD - other? - $50 15 !!

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations: Good site for a festival - perhaps WOMAD?
→ Uniform channel. RI banks. Few macrophytes.

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

SITE NO. 7176

G LAND USE / LAND COVER

	L	R		L	R
Broadleaf/mixed woodland (BL)	↘		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG) (MARKLAND)	↘	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' semi vegetation (TH)	↘		Houses / Industrial Estates Suburban/urban development (SU)	E	↘

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recectioned		
Vertical + fan			Reinforced - whole bank	E	E
Steep (>45°)			Reinforced - top only		
Gentle	↘		Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set back embankments		

• NOTE: LHB, MAINLY SU. - PARKLAND but with Extensive St Trees.
RHB = PARKLAND

Trees and associated features

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

Channel features

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Emergent shrub/tree	☐	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid channel bar(s)	☒	☐	☐
Bay(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: SLACK (UD).

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7179

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 032 730 River: COWE

Date 20/6/1996 Time: 16.00 Surveyor name N GREVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☒ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND ORDINARY RUNS

Riffles 2 Unvegetated point bars

Pools Vegetated point bars

ND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY — TEN SPOT CHECKS

Page 2 of 4

TALLY (use first) for - Riffles | Pools | Unveg. side bars | Veg. point bars

A PHYSICAL ATTRIBUTES

Spot check 1 = upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if fractional)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) +	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SD	SD	SI	SD	SD	SD	SD	SD	SI	SD
Substrate shape	OV	OV	NA	OV	OV	OV	OV	OV	NA	OV
Flow type	SM	SM	SM	SM	SM	RP	LN	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if fractional)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) +	RS	RS	NO	RS	RS	NO	RS	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, IW, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BA/US/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/US/C	S	S	U	U	S	S	U	B	S	S
RIGHT BANK FACE (structure) BA/US/C	S	S	S	S	S	S	U	U	S	S
RIGHT BANK TOP (structure within 1m) BA/US/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

C PLANT SPECIES LIST (Aquatic and Bankside)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓	✓		✓	✓	✓	✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓		✓	✓	✓	✓	✓	
Submerged broad-leaved										
Submerg fine/linear-leaved	E	E	E	✓	E	✓		✓	✓	✓
Filamentous algae	✓	✓	E	✓	✓	✓	E	✓	✓	✓

+ Some Ea - also Rip-Rap (< 0.25 m) Sarsen

NO. 7179

	L	R		L	R
Coniferous woodland (BL)			Rough pasture (RP)		
Arable/horticulture (CF)			Improved/semi-improved grass (IG)	E	E
Amenity grass (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs" and vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical	L	L	Revetment		E
Vertical + toe			Reinforced - whole bank		
Sloping (<45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled	E	E
			Embanked		
			Set-back embankments		

D PLANT OF TOP AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered (1)	☒	☐
regularly spaced, single	☐	☐
occasional clumps	☐	☐
semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

E PLANT OF CHANNEL

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Mature island(s)	☒	☐	☐
Side pool(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☒	☐
Poo[illegible]	☒	☐	☐	Vegetated side bar(s)	☐	☒	☐

predominant flow sequence (*select up to three features*): GLIDE

1995 RIVER HABITAT SURVEY — DIMENSIONS AND LINEARS

Page 3 of 4

A CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankstop width (m)		Bankstop width (m)	30.5		
Bankstop height (m)	0.5	Water width (m)	27.0	Bankstop height (m)	0.5
Embanked height (m)	/	Water depth (m)	0.1	Embanked height (m)	/

If trashline lower than bankstop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C RIVER CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF ARTIFICIAL INTEREST

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) ☐

E PLANT OF CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F PLANT OF INTEREST

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

G MAN-MADE FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tubing - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? GRAZING MEADOW

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin (larvae) dragonflies/damselflies

Other significant observations: Shallow GP channel - 2S banks.
Reasonably good channel / riparian mosaic/complex PC 1 E!

H PLANT OF INTEREST

Alders? None ☒ Present ☐ Extensive ☐ Diamond Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant scores and fences — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7181

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 264710 River: HANDLE

Date: 19/6/1996 Time: 17.35 Surveyor name: N. PRIEVE Accreditation code: PT: 2

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(Mid-site 1 and 2 only)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS — Page 2 of 4

TALLY (use pfd) for: Riffles / Pools / Unveg. side bars / Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide (max.) zone)*

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(tick if functional feature)*										
Material* SP,SA,GR,CO,CB,BE,LA,PE,CL,SI,ZM,ART	SP	SP	SP	CC	CC	CC	BR	CC	SP	SP
Bank modifications(s) NE,NO,RS,RI,PC,BM,EM	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s) NO,EC,SC,PB,VT,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *(tick if functional feature)*										
Channel substrate* NO,BE,BO,CO,GP,SA,SI,CL,PE,AR	SA	GP	GP	GP	GP	GP	SA	SA	GP	GP
Substrate shape FL,CN,CO,TC,TO,RE,Others - note	NA	CV	CV	CV	IR	IR	NL	NL	CV	IR
Flow type* FT,CH,BW,UW,CF,BF,UP,BH,WF,NO	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) NE,NO,CV,RS,RI,BM,STO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO,BO,MB,WB,MI,TR	NO	NO	NO	NO	TR	TR	NO	TR	NO	TR
RIGHT BANK *(tick if functional feature)*										
Material* NO,BE,BO,CO,GS,LA,PE,CL,CC,SP,WP,GA,OR,BE,SW	SP	GL	GL	GA	GL	GA	GA	GL	SP	SP
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	RI	RS	RS	RS	RS	RS	RS	RS	RI	RI
Bank feature(s) NO,EC,SC,PB,VT,SB,VS	NO	NL	NL	NO	NL	NO	NL	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 5m wide zone)*

Land use: choose one from BL, CP, OR, HR, SC, TH, RF, FG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	IG	SU	SU
LEFT BANK-TOP *(structure within 1m)* BA/NC	U	U	U	S	S	S	U	U	S	C
LEFT BANK FACE *(structure)* BA/NC	B	R	B	B	B	B	B	B	B	B
RIGHT BANK FACE *(structure)* BA/NC	B	S	R	C	C	C	S	S	B	B
RIGHT BANK-TOP *(structure within 1m)* BA/NC	S	S	S	C	C	C	C	B	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	RL	RL	RL	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES *(Mid-site 1 and 2 only)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓								✓
Emerg broad-leaved herbs			✓							✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)	✓		✓					✓		✓
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/flaccid-leaved	✓	E	✓	✓	E	E	E	✓	E	✓
Filamentous algae	E	E	E	E	E	C	E	E	E	E

SITE NO. 7181 — 1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES — Page 3 of 4

H CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	15.25	RIGHT BANK
Bankfull height (m)	2.0	Water width (m)	9.75	Bankfull height (m) 2.0
Embanked height (m)	—	Water depth (m)	0.5	Embanked height (m) —

If trashline lower than bankfull break in slope, indicate: height (m) = 0.75 width (m) = 11.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Fords = 2 Other = CULVERT = 1

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J RECENT CHANNEL MANIPULATION

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other ? State

K FEATURES OF SPECIAL INTEREST

None ☐ DRY POND PUB.† Waterfalls > 5m high ☐ Artificial open water ☐ Braided/side channels ☐ Natural open water (ox-bow) ☐ Debris dams ☐ Water meadow ☐ Leafy debris ☐ Fen ☐ Bog ☐ Other (state) Carr ☐ Marsh ☐ Flush ☐

L CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M NOTABLE PLANTS *(Mid-site 1 and 2 only)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle, Rhododendron bushes

N ADJACENT LAND USE

Major impacts: landfill - tipping (refuse) sewage pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tiling - other? =

Land Management: set aside - buffer strip - hedged (flowering hedge) (parkland) MoD - other? = SHRUBS, BUSH

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly damselfly

Other significant observations: Straight channel - 2 banks. (GO - SA substrate) > Vary channel morphology. Not exceptional algae.

O CATCHMENT

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

†NOTE: 'Dry Pond Meadow' = Several ponds which have only v recently become dry. Newts + Tadpoles in remaining pool!

H CHANNEL DIMENSIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW) (DRY)		✓
Tall herbs* and vegetation (TH)	✓	E	Suburban/urban development (SU)	E	E

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓		Recombined		E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only	E	E
Composite			Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments		

I CHANNEL MODIFICATION AND MANAGEMENT

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercut/in-stream roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7185

Mid-site grid reference of network site if different from designated location:

Grid Reference: 677763 River: UN-NAMED Trib of THAMES.

Date: 4/5/1996 Time: 09.45 Surveyor name(s): GRIEVE Accreditation code: PK12

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ ? Yes ✓ *(tick one box)* (A)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(if U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain (although ARTIFICIAL) †
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(tally each unit)*

Riffles \	Unvegetated point bars \
Pools \	Vegetated point bars \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

† Cross section of valley: OLD LANDFILL — OLD CH — NEW CHANNEL — EA — LANDFILL

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

Page 2 of 4

TALLY (use pfd) for: Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 = upstream ... 10 = downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *(SI, SU, CO, CB, BO, FL, CL, ZC, SP, VP, CA, ME, AR, OT)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RI, PC, BM, EM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(BY, BO, EC, BC, FB, VP, SB, VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional fence										
Channel substrate * *(BE, BO, CO, GravSA, SI, ZC, CL, PE, AR)*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *(FL, CH, EL, IR, CH, FO, IR, Other - use ?)*	NJ	NJ	NJ	NJ	NJ	NJ	NJ	/	/	/
Flow type * *(FT, CH, BW, UW, CF, EF, UF, SW, BF, NO)*	NP	NP	NP	NP	NP	NP	NP	ND	NP	NP
Channel modification(s) *(NE, NO, CV, RS, RI, DA, FO)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *(BY, BO, RO, VB, SH, TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *(SI, SU, CO, GS, GravSA, PE, CL, CC, BE, VE, GA, ME, AR, OT)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE, NO, RS, RI, PC, BM, EM)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(BY, BO, EC, BC, FB, VP, SB, VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CF, OR, MR, SC, TH, RP, IG, TL, WL, (ow) SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TU	TH	TH	TU	TH	TH	TU	TU	TH
LEFT BANK-TOP *(structure within 1m)* BANSIC	S	S	S	S	S	U	S	S	S	S
LEFT BANK FACE *(structure)* BANSIC	S	S	S	U	S	S	U	U	S	S
RIGHT BANK FACE *(structure)* BANSIC	S	U	U	U	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BANSIC	U	U	S	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Phrag. Le	✓	✓		E	✓	✓	E	E	✓	✓	E
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓	·	✓						✓

SITE NO. 7185 — 1996 RIVER HABITAT SURVEY SIDE SHEET — Page 3 of 4

H LAND USE WITHIN 50m OF DEGRADED REACH (100m) — Land use/features

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Tall herbs/ rank vegetation (TH)	✓		Suburban/urban development (SU) (LANDFILL)		E

I CHANNEL CHARACTERISTICS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓		Resectioned	E	E
Vertical + toe	✓		Reinforced - whole bank	✓	
Sloop (>45°)	✓		Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite	✓		Artificial two-stage		
			Poached	✓	
			Embanked	E	E
			Set-back embankments		

J FEATURES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☒	☐	☐
Overhanging boughs	☒	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Submerged floodweed	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid channel bar(s)	☒	☐	☐
Bolk(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: STAGNANT / SLACK

1996 RIVER HABITAT SURVEY DIMENSIONS AND OBSERVATIONS — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	4.0	Banktop width (m)	7.25	Banktop height (m) 0.8
Embanked height (m)	/	Water width (m)	2.4	Embanked height (m) /
		Water depth (m)	0.55	

If trapezium: lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐ (SILT)

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M ARTIFICIAL FEATURES

None ☒ Number of: Culverts = Footbridges = Weirs = Fords = Outfalls = Fords = Bridges = Other =

Is water impounded by weirs/dams? No ☒ Yes, <33% of site ☐ >33% of site ☐

N RECENT CHANNEL MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other? State .....

O WATERSIDE VEGETATION

None ☒

Waterfalls > 5m high ☐ Artificial open water ☐ Braided/side channels ☐ Natural open water ☐ Debris dams ☐ Water meadow ☐ Leafy debris ☐ Fen ☐ Bog ☐ Carr ☐ Marsh ☐ Fluvio ☐ Other (state) .....

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q INVASIVE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

R OBSERVATIONS

Major impacts: (landfill) dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - (overgrazing) - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: Skylark, ... heron - moorhen - water vole - kingfisher - dipper - grey wagtail - reed warbler - otter - dragonflies/damselflies

Other significant observations: Newly dug RS channel (with S-ics alongside original 'dry' channel. Area mostly LANDFILL.

S RIVER MAP

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) for plant cover and fences — SHEET 1 OF 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7186

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: —

Date: 10/5/1996 Time: 15.00 Surveyor name: NC Accreditation code: RF43

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D RIFFLES, POOLS AND POINT BARS

Riffles ✓ Unvegetated point bars ✓

Pools ✓ Vegetated point bars ✓

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (RHS) SPOT BOTTOMS — SHEET 2 OF 4

TALLY (use ✓ and /) for - Riffles | Pools | Unveg. side bars | Veg. point bars

C CHANNEL ATTRIBUTES (to be measured across channel at each spot bottom)

Spot check 1 to: upstream ○ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK - SPOT CHECK										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - SPOT CHECK										
Channel substrate *	SI	SG	SG	SI	SS	SI	SS	SI	SS	SG
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Channel modifications(1)	NO	NO	RS	RS	CC	CC	RS	RS	RS	RS
Channel features(1)	NF	NO	NF	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - SPOT CHECK (if functional)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(1)	NO	NF	NF	NO	NO	NO	NO	NO	NO	NO
Bank features(1)	NO	NO	NF	NO	NO	NO	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE (tick: assessed over a 10m wide cylinder)

Land use: choose one from: ar, ol, ge, ash, sc, ti, sf, ig, ri, wl, ow, su

LAND USE WITHIN 5m OF BANKTOP (L)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG
LEFT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	L	U	U	U
LEFT BANK FACE (structure) MMMC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) MMMC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) MMMC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG

G BANKTOP VEGETATION NOTES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓		✓				✓		
Emerg reeds/sedges/rushes	E	✓	E	✓	E	E	E	✓	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓	✓	✓	✓				
Submerged broad-leaved										✓
Submerg fine/dissect-leaved										✓
Filamentous algae	✓	✓	✓	✓		✓	✓	✓	✓	✓

SITE NO. 7186

E CHANNEL SURVEY - POOLS AND POINT BARS

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	✓	
Tall herbs* and vegetation (TH)			Suburban/urban development (SD)		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Gabions		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched	✓	✓
			Embanked		
			Set back embankments		

TYPES (tick one box per bank) / ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E (≥ 33%)
None	☐	☐	Shading of channel	✓	☐	☐
Indistinct/indistinct	✓	✓	Overhanging boughs	✓	☐	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	✓	☐	☐
Occasional clumps	☐	☐	Undercuts/tree roots	✓	☐	☐
Semi-continuous	☐	☐	Fallen trees	✓	☐	☐
Continuous	☐	☐	Cattle access/drinks	✓	☐	☐

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	☐	✓	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): Pool

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H CHANNEL DIMENSIONS AND DISCHARGE

LEFT BANK				RIGHT BANK
Bankop height (m)	0.3	Bankop width (m)	2.5	Bankop height (m) 0.3
Embanked height (m)		Water width (m)	2.0	Embanked height (m)
		Water depth (m)	0.3	

If trapezium/arrow shape, indicate: height (m) = — width (m) =

Bed material at site is: unconsolidated (transport) ○ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ○ other ✓ *(tick one box)*

I CHANNEL FEATURES

None ○ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = III Bridges/bridges = Other = Ford, bridge
Is water impounded by weir/dam? No ✓ Yes ○ <33% of site ○ >33% of site ○

J CHANNEL MODIFICATIONS

None ○ Dredging ○ Mowing ○ Weed cutting ○
Embankment ○ Other (specify)

K ADJACENT LAND USE

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Bridges/side channels ○ Natural open water ○ Carr ○
Debris dam ○ Water meadows etc. ○ Marsh ○
Leaky dams ○ Fen ○ Flush ○

L CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ○ YES ✓

M INVASIVE PLANTS

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? (Name, Distribution/Abundance/Control)

N CHANNEL MANAGEMENT

Major impacts: bridges - dipping - lakes - outfalls - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Overall fairly rivery through TG (sheep grazed). Also v. dense Phrag + some d open water. N.B approx 1 m deep

O TREES

Alders? None ○ Present ○ Extensive ○ Diseased Alders? None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number 117.1

Mid-site grid reference of network site if different from designated location:

Grid Reference: ST 392649 River: Congresbury Yeo

Date: 24.3.1996 Time: 15:15 Surveyor name: MG

Accredited Surveyor? No ☐ Yes ☑ *If yes, state number*

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

Duplicate photographs: general character? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles — Unvegetated point bars

Pools — Vegetated point bars

ND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — STEN SPOT CHECKS — Page 2

Spot check 1 or 2 at upstream end ☐ downstream end ☑ of site *(tick one box)*

PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

1 = one entry only

	1	2	3	4	5	6	7	8	9
LEFT BANK									
Material 1 *ER,BE,BO,CO,GP,SA,SI,CL,PE,AR*	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS 0M	RS 0M	RS 0M	RS 0M	RS 0M	RS 0M	RS 0M	RS 0M	RS 0M
Bank feature(s) *NF,NO,EC,SC,PB,VT,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL									
Channel substrate 1 *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	CL	CL	CL	CL	CL	CL	CL	CL	CL
Flow type 1 *FT,CH,BW,UW,CF,RF,UP,SM,NF,NO*	UP	NF	UP	NP	NP	NP	NP	NP	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK									
Material 1 *NV,BE,BO,CO,CB,RA,PE,CL,CC,IF,VF,CA,SH,AR*	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *NV,NO,EC,SC,PB,VT,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m) BU/ST/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure) BU/ST/C*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure) BU/ST/C*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m) BU/ST/C*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION TYPES *(recorded over a 10m wide transect; 5% = 1/2 area) or ✓ (present)*

	1	2	3	4	5	6	7	8	9	10
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs *M. OR. Mint*		✓			✓	✓				
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Amphibious	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved	✓	✓				✓				
Submerged fine/linear-leaved	✓	✓		✓	✓	✓				
Filamentous algae	L	E	E	E	E	E	E	E	E	E

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (use E or ✓)

SITE NO. 117 — 1996 RIVER HABITAT SURVEY 500m SWEEP-UP — Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP *(Use E (≥ 33% banklength) or ✓ if present)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RF)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		
Tall herbs - rank vegetation *(TH)*			Suburban/urban development *(SU)*		

LEFT BANK PROFILES *(Use A (≥ 33% bankfull) or ✓ if present)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	L		Resectioned	E	
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	
			Embanked	E	
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

EXTENT OF CHANNEL FEATURES *(tick one box per feature)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Backs(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features).

1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES — Page 4

CHANNEL DIMENSIONS *(to be measured at, and the tape on a straight uniform section preferably across a riffle)*

LEFT BANK				RIGHT BANK
Banktop height (m)	4	Water width (m)	11.5	Banktop height (m)
Embanked height (m)	4	Water depth (m)	1.4	*Embanked height (m)*

If treeline lower than banktop break in slope, indicate: height (m) = 1.5 width(m) = 10

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

ARTIFICIAL FEATURES *(indicate total number of appropriate box(es))*

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑			
Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ (Other (state)
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

CHOKED CHANNELS *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

NOTABLE NUISANCE PLANT SPECIES *(tick one box if E (≥ 33% bankfull))*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? State

RIVER HABITAT CHARACTERISTICS *(tick appropriate box(es) or ✓ if present)*

Major impacts: landfill · tipping · litter · sewage · pollution · drought · abstraction · mill · dam · road · rail · industry · ho
mining · quarrying · overdeepening · afforestation · fisheries management · silting

Land Management: set-aside · buffer strip · headland · abandoned land · parkland · MoD

Animals: otter · mink · water vole · kingfisher · dipper · grey wagtail · sand martin · heron · dragonflies/damselfli

Other significant observations:

ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7194

Mid-site grid reference of network site if different from designated location:

Grid Reference: 19497 River: RIVET

Date: 2.5.1996 Time: 2.30 Surveyor name: I Heard Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirety ☐ *(tick one box)*

IFE, single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND CHANNEL SIDE BARS *(standard 100m stretch)*

Riffles 0 Unvegetated point bars

Pools 0 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use DD) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be measured/assessed within a 1m wide transect)* *(for inventory only)*

Spot check 1 m² upstream (U) downstream (D)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature	✓	/	/	/	/	/	/	/	/	/
Material *	EA	EA	EA	EA	EA	GA	EA	EA	EA	EA
Bank modification(s)	NC							RS		
Bank feature(s)	NC	NC						NC		
CHANNEL										
Channel substrate *	CL		CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape										
Flow type *	SM		SM	RF			P	NP		
Channel modification(s)	NC						NC	NC		NC
Channel feature(s)	NC						NC	NC	NC	NC
RIGHT BANK TICK if functional feature	✓	/	/	/	/	/	/	/	/	/
Material *	EA							EA		
Bank modification(s)	RS			NC				RS		
Bank feature(s)	NC							NC		

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(for the standard 100m x 10m wide transect)*

Land use: choose one from IC, CF, OR, IGR, SC, TR, HP, RS, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U									
LEFT BANK FACE *(structure)*	U									
RIGHT BANK FACE *(structure)*	U									
RIGHT BANK-TOP *(structure within 1m)*	S									
LAND USE WITHIN 5m OF BANK TOP (R)	SC									

G CHANNEL VEGETATION TYPES *(for the standard 100m x 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓	✓		✓	✓		✓		
Emerg reeds/sedges/rushes	E	E	E	E	E	E	E	E	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓			✓		✓	✓
Submerged broad-leaved			E	E				✓		✓
Submerg fine/linear-leaved										
Filamentous algae	✓									

SIT 7194

H CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Broadleaf/mixed woodland (BL)		T	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		V
Scrub (SC)		E	Open water (OW)		
Tall herb / rank vegetation (TH)			Suburban/urban development (SD)	✓	✓

Natural/unmodified	L	R	Artificial/modified	L	R
Riffle			Resectioned	E	E
Pool			Reinforced - whole bank	✓	✓
Glide			Reinforced - top only		
Eddy			Reinforced - toe only		
Cascade			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

LEFT BANK		Banktop width (m)	7.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	5.0	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.5	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I CHANNEL FEATURES

None ☐ Number of Cascades = Waterfalls = Pools = Riffles = Rapids = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of the ☐ >33% of the ☐

J CHANNEL MODIFICATIONS

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐

Enhancement ☐ Other ? State

K BANKSIDE FEATURES

None ☐

Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)

Braided/side channels ☐ Natural open water ☐ Carr ☐

Debris dams ☐ Water meadow ☐ Marsh ☐

Leafy debris ☐ Fen ☐ Flush ☐

L CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

M OVERHANGING VEGETATION

None ☐ Grass fringe ☐ Shrubs/tree fringe ☐ Bankside trees ☐ Other? Marsh Rhododendron bushes

N OTHER CHANNEL FEATURES

Major impacts - landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: very gravelly channel (road side) between two fields. Mallard + ~6 ducklings

O ALDERS AND ASSOCIATED FEATURES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

	None	Present	E (>33%)		None	Present	E (>33%)
Riffle(s)	☑	☐	☐	Marginal deadwood	☐	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☐	☐
Ice(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Pond(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☐	☐
				Vegetated side bar(s)	☐	☐	☐

Predominant flow sequence *(select up to three features)*:

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7195

Mid-site grid reference of network site if different from designated location:

Grid Reference: 116677 River: [illegible]

Date 2/5/1996 Time: 1115 Surveyor name I.HARRIS Accreditation code. PF86

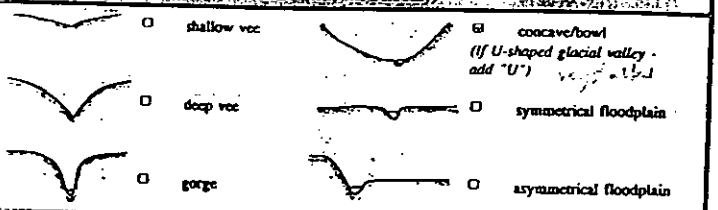
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLE/POOL SEQUENCES *(whether both present or not)*

Riffles 0 Unvegetated point bars .

Pools 0 Vegetated point bars _

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (TEN SPOT WIDE)

TALLY (use 5bf) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10m wide transect)* * = one entry only

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	NO	NO	RS
Bank feature(s)	NC	NC	NC	NC	NC	NC	NO	NC	NC	NC
CHANNEL										
Channel substrate *	GP	GP	GP	NV	NV	GP	GP	GP	GP	GP
Substrate shape	-	-	-	-	-	-	-	-	-	-
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NC	NC	NO	NC	NO	NO	NC	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *	CA	EA	A	GP	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	NO	RS	NO	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, IC, TH, RP, HG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	SC	SC	SU
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	U	C	S	S	C		S	C
RIGHT BANK FACE *(structure)* B/U/S/C	U	U	S	S	S	S	S	C	S	C
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	S	S	C	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	RP	IG	WL	IG	IG	IG

G CHANNEL VEGETATION TYPES *(Use 2 letter codes or full names)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓		✓	✓				
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓		✓	✓
Emerg reeds/sedges/rushes				E	✓	✓	✓	E		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓	✓	✓	✓	✓	✓	✓		✓
Submerged broad-leaved	✓		E	E	✓	✓	✓		✓	✓	E
Submerg fine/linear-leaved	E	E	E	E	E	E	E	E	E	E	C
Filamentous algae	✓	✓	✓			✓	✓		✓	✓	

SITE NO. 7195

H CONTROL OF CHANNEL VEGETATION

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)	✓		Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	✓	

I CHANNEL TYPE AND ASSOCIATED FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + bank			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging bought	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

J CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☐	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

K CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	8.3	RIGHT BANK	
Banktop height (m)		Water width (m)	5.0	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.5	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L CONTROL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site: ☐ >33% of site ☐

M MAN-MADE CHANNEL MODIFICATIONS

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF SIGNIFICANCE

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

P BANKSIDE VEGETATION *(Use 2 letter codes or full names)* - list first 5 stands of each

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mottle Rhododendron bracken

Q ENVIRONMENTAL CONDITIONS

Major impacts: bankfill - dipping - fence - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey squirrel - mute swan - mallard - heron - dragonflies/damselflies

Other significant observations: choked channel (>33%) for all sections. Lots of gravel/pebbles. Looks very clean & unmodified. Banksides fenced off from grazing animals.

R ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 7199

Mid-site grid reference of network site if different from designated location:

Grid Reference: S30634 River: ENBOURNE

Date: 30/5/1996 Time: 6pm Surveyor name: Lathbad Accreditation code: FT36

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ✓ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ✓ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (delete box only)

☐ shallow vee ✓ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

crossed valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

MAJOR FEATURES, POOLS AND POINT BARS (delete box only)

Riffles 2 Unvegetated point bars 7
Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
... ENVIRONMENT AGENCY, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY BY TIN SPOT CLICKS

PHYSICAL ATTRIBUTES

Spot check 1 m upstream of downstream 11	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	EC	NO	NO	EC	NO	EC	NO	EC	SB
CHANNEL										
Channel substrate	NV	NV	NV	GP	GP	GP	GP	GP	NV	GP
Substrate shape				IR	IR	IR	IR	IR		R
Flow type	RP	RP	SM	SM	RP	UW	SM	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	SC	NO	NO	NO	SC	NO	NO

BANKTOP AND LAND USE AND VEGETATION STRUCTURE (delete box only)

Land use: choose one from IE, CP, OR, HR, IC, IN, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	S	C	C	S	C	C	C	C	C
RIGHT BANK FACE (structure)	C	C	S	S	S	C	S	C	C	C
RIGHT BANK TOP (structure within 1m)	C	S	S	S	C	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5		✓	✓			✓	✓		✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs	✓			✓	✓					
Emerg reeds/sedges/rushes				✓						
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae				✓	E		✓	•		

NO. 3411 1996 RIVER HABITAT SURVEY 2300 (S)

BANK SUBSTRATE OR COVER TYPE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Conif plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herb/rank vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILE

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical			Reinforced - whole bank		
Gentle (<45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

CHANNEL FEATURES

BARS (tick one box per bank)

	Left	Right
None	☐	☐
Unformed/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional channel	☐	☐
Mid-channel	✓	✓
Side/multiple	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	☐	✓
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

CHANNEL SUBSTRATE

	None	Present	E
Bedrock(s)	✓	☐	☐
Boulder(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	✓	☐
Cobble(s)	☐	☐	✓
Gravel(s)	☐	✓	☐
Sand(s)	☐	☐	✓
Pool(s)	✓	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	☐	✓	☐
Vegetated side bar(s)	✓	☐	☐

Predominant flow sequence (select up to three features): GLIDE - RUN

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	7.5	Banktop height (m)	1.5
Embanked height (m)		Water width (m)	6.5	Embanked height (m)	
		Water depth (m)	0.1		

If trapezium lower than banktop bevel in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ (tick one box)

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Pools =
Footbridges = 1 Roadbridges = Other =
Is water suppended by weirs/dams? Yes No Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

ADJACENT SEMI-NATURAL HABITAT

None ☐
Waterfalls > 5m high ☐ Artificial open water ✓ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED REACH

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

NOTABLE/INTERESTING SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

HUMAN INFLUENCES

Major human - landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - cut - sanitary - bombing - mining - quarrying - overdeepening - afforestation - fisheries management - siltting - other? =

Land Management - set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - ~~migratory~~/domestic

Other significant observations: DRIED-UP & BROWN 'SET-ASIDE' FIELD ON L-BANK F+C ENTIRE 500m. BLOKE SAID 'OTHER PEOPLE' ARE INTERESTED IN INTRODUCING OTTERS TO THE AREA AS WELL.

Aliens? None ☐ Present ☐ Extensive ✓ Diseased Aliens? None ✓ Present ☐ Extensive ☐

BUT BLOKE SAID HE'S GOING TO GET RID OF THEM DOWN ROAD!

1996 RIVER HABITAT SURVEY (with WQ notes for plant species and riparian zone) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B DETAILED SURVEY DETAILS

Reference network site number: 7201

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 738627 River: WHITEWATER

Date 21/6/1996 Time: 16.45 Surveyor name N. GREVE Accreditation code PC12

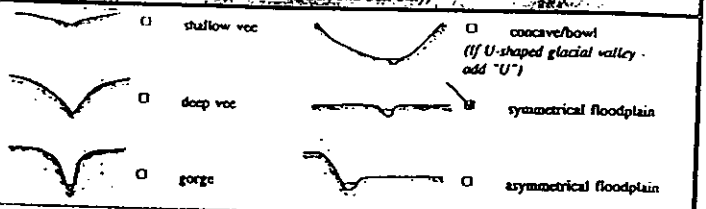
Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (~~not at all~~ 95%) *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☒ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 4 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

TALLY (use 1/4's) for - Riffles | Pools | Unveg. side bars | Veg. point bars

E PHYSICAL ATTRIBUTES *(to be assessed across Channel Profile at 1m wide transect)*

Spot check 1 is upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *WW,BE,BO,CO,CB,SA,PC,CL,CC,SI,WP,CA,MA,BR*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) *ME,MO,RS,RI,PC,BM,DA*	NO	NO	RS	RS	NO	NO	RS	RS	RS	RS
Bank feature(s) *WV,PO,EC,SC,PB,WP,SB,VS*	NO	NO	VS	NO	NO	VS	NO	NO	NO	NO
BANKTOP										
Channel substrate *WW,BE,BO,CO,CP,SA,SI,CL,PE,AR*	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP (SI)
Substrate shape *FL,CV,CI,SP,CO,PO,IR, Others - note*	PO	PO	AV	OV	PO	AV	OV	PO	PO	AV
Flow type *FT,CH,RM,UW,CF,SF,UP,SM,MP,PO*	RO	AV	SM	SM	SM	SM	SM	SM	FM	SM (UP)
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,PO,BO,WB,WP,MI,TR*	NO	NO	NO	NO	NO	NO	VB	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *See WW,BE,BO,CO,CB,SA,PC,CL,CC,SI,WP,BR*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,DA*	NO	RS	RI	NO	RS	RS	NO	NO	NO	NO
Bank feature(s) *WV,PO,EC,SC,PB,WP,SB,VS*	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CP, OR, MN, SC, TN, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	IG	IG	IG	IG	TL	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* BANKSIDE	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BANKSIDE	S	S	S	S	S	S	U	S	S	S
RIGHT BANK FACE *(structure)* BANKSIDE	S	S	S	S	S	S	U	S	S	S
RIGHT BANK TOP *(structure within 1m)* BANKSIDE	S	S	S	S	S	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	IG	BL	BL	IG	IG

G PLANT SPECIES LIST *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs *Petasites*	✓	✓	✓	✓	✓		✓	✓		
Emerg reeds/sedges/rushes *Phragmites, Sparganium*	✓		E		E	E	E		✓	✓
Floating-leaved (rooted) *Nymphaea*			✓	✓	✓				✓	✓
Free-floating										✓
Amphibious *Ranunculus*										✓
Submerged broad-leaved *Ranunculus*			✓	✓	✓	E	✓		✓	✓
Submerg fine/linear-leaved *Ranunculus, Sparganium*	E	✓		✓	✓		E	✓	✓	E
Filamentous algae	✓	E		✓	E	✓	✓	E	✓	✓

SITE NO. 7201 1996 RIVER HABITAT SURVEY SPOT CHECKS Page 3 of 4

H ADJACENT LAND USE

	L	R		L	R
Broadleaved/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MN)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* most representative (TH) (2nd 3 choices)	✓	✓	Suburban/urban development (SU)		

I CHANNEL CHARACTER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		E
Vertical + toe	✓		Reinforced - whole bank		
Steep (>45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	✓
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	☐	✓
Undercutting tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Concrete woody debris	☐	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	☐	✓	☐
Bay(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	☐	✓

Indicate predominant flow sequence (*select up to three features*): GLIDE (+ RIFFLE)

1996 RIVER HABITAT SURVEY DIMENSIONS AND MEASUREMENTS Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	12.5	Banktop height (m)	1.5
Embanked height (m)	/	Water width (m)	10.0	Embanked height (m)	/
		Water depth (m)	0.1		

If trapezoidal, lower than banktop break in shape, indicate: height (m) = 1.3 width (m) = 11.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

Name ☒ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords = Other =

Is water impounded by weir/dam? ~~Yes~~ No ☒ Yes, < 33% of site ☐ > 33% of site ☐

N RIVERSIDE MANAGEMENT

Name ☒ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State:

O FEATURES OF ARTIFICIAL ORIGIN

Name ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☒	Fen	☐	Flush	☐

Other (state) ...

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q BANKSIDE VEGETATION

Name ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

R VALLEY FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad mayfly - heron - dragonfly damselfly

Other significant observations: GD channel, planty & shaded. - Crayfish found
macrophytes. Just not >½ choked. - Small fish spotted
More trees RHS, banks half & grassed wood - Noni Lurk(s)

S WATERSIDE TREES

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☐ Present ☒ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7203

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU1995614 River: GRANTSBOURNE

Date: 17/6/1996 Time: 13.45 Surveyor name: J. GRIEVE Accreditation code: FF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☒ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles \ Unvegetated point bars \

Pools \ Vegetated point bars \

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use tick) for - Riffles Pools Unveg. side bars Veg point bars

A PHYSICAL ATTRIBUTES

Spot check 1 at upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sections)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	PC	RS	NO	NO	PC	PC	PC	PC	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	SM	NO	SU	SU	NP	NP	SM	NP	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (sections)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	NO	NC	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND PROBTATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from AL, CP, OR, WH, SC, TH, RF, HO, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SC	SC	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U	U	U	C	C	U	U	U	U	U
LEFT BANK FACE *(structure)*	S	S	S	C	C	S	S	S	S	C
RIGHT BANK FACE *(structure)*	S	S	S	C	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	S	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RD	RD	RD	HO	IG	IG	RD	IG	IG	RD

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium									
Emerg reeds/sedges/rushes	Typha, Phragmites, Sparganium	E	E	E	E	E	E	E	E	E
Floating-leaved (rooted)	Nuphar, Potamogeton	✓	✓	✓		E	✓	✓	✓	✓
Free-floating										
Amphibious	Ranunculus, Glyceria			✓	✓		✓	✓	✓	✓
Submerged broad leaved	Potamogeton, Elodea		✓		✓	✓		✓	✓	
Submerg fine/linear leaved	Ranunculus, Callitriche		✓		✓	✓	✓			
Filamentous algae			✓		✓	✓				

TE NO. 7203

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
...ificial/mixed woodland (BL)	✓		Rough pasture (RP) (SA)		E
...niferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
...duous (DR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
...ds (SC)	✓	✓	Open water (OW)		
...herbs" road vegetation (TH)	✓	✓	Suburban/urban development (SU)		

BANK SECTIONS AND ASSOCIATED FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
...oil/bedrock	✓	✓	Reactioned	E	E
...oil + ...ks	✓		Reinforced - whole bank		
...steep (>45°)	✓		Reinforced - top only		
Gentle			Reinforced - toe only		
...ponic			Artificial two-stage		
			Poached	E	
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☒
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☒	☐	☐
Cascade(s)	☒	☐	☐
Rapid(s)	☒	☐	☐
Riffle(s)	☒	☐	☐
Run(s)	☒	☐	☐
Boil(s)	☒	☐	☐
Glide(s)	☐	☐	☐
Pool(s)	☒	☐	☐

	None	Present	E (≥ 33%)
Unexposed deadwater	☐	☐	☐
Exposed bedrock	☒	☐	☐
Exposed boulders	☒	☐	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☒	☐	☐
Mature islands(s)	☒	☐	☐
Unvegetated side bar(s)	☒	☐	☐
Vegetated side bar(s)	☒	☐	☐

...ste predominant flow sequence *(select up to three features)*: SLACK (NP) - some GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

C CHANNEL DIMENSIONS

LEFT BANK				
Banktop height (m)	1.0	Banktop width (m)	8.75	RIGHT BANK
Embanked height (m)	/	Water width (m)	5.75	Banktop height (m) 1.5
		Water depth (m)	0.2	Embanked height (m) /

If trapezium lower than banktop break in slope, indicate: height (m) = 1.0 width (m) = 7.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

D ARTIFICIAL FEATURES

None ☒ Number of: Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

E RIPARIAN MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

F AQUATIC SPECIAL FEATURES

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐
Braided/side channels	☐	Natural open water	☐
Debris dams	☐	Water meadow	☐
Leafy debris	☐	Fen	☐
		Bog	☐ → Other (state) MEADOW
		Carr	☐ → SA ? Galium to wet channel
		Marsh	☐
		Flush	☐

G CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

H OTHER RIPARIAN CHARACTERISTICS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

I OVERALL CHANGES

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - afforestation - fisheries management - tilling - other? =

Land Management: (set-aside) buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin (heron) dragonflies/damselflies

Other significant observations: RS channel - but v good for Channel macrophytes. Also RHB + SA → either to meadow? - Calamagrostis plum - Pyrrhosoma nymph - Enallagma cyath - Corduliia adult

J OTHER FACTORS

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☒ Ext ☐ Extensive ☐

(NR) Diseased alders @ any side channel (within 50m RHS)

1994/1995 RIVER HABITAT SURVEY with the addition of plant species and cover

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7204

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 068645 River: WEY

Date 20/6/1996 Time: 18:15 Surveyor name: N. ARIES Accreditation code: PF 12

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ (60%) entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* (Long)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1994/1995 RIVER HABITAT SURVEY with the addition of plant species and cover

TALLY (use DIF) for - Riffles, Pools, Unveg. side bars, Veg point bars

E FIELD SCALE ATTRIBUTES

Spot check 1 m: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
CHANNEL TICK ONE										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	SC	NO	NO	NO	SC	NO	NO	SC
CHANNEL TICK ONE										
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	ND	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	MI	MI	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK ONE (looking downstream)										
Material	EA	SP	SP	SP	SA	SA	SA	SP	SP	SP
Bank modification(s)	RS	RI	RI	RI	NO	NO	RI	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	SC	SC	NO	NO	NO	NO

F LAND USE TICK ONE AND VEGETATION STRUCTURE (To be assessed across whole channel and whole width)

Land use: choose one from BL, CF, OR, MH, RC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	TH	TH	BL	BL	SC	BL	BL	BL
LEFT BANK-TOP (structure within 1m) MUSIC	C	C	S	S	S	C	S	S	S	C
LEFT BANK FACE (structure) MUSIC	S	C	S	C	S	C	S	S	S	S
RIGHT BANK FACE (structure) MUSIC	S	U	B	B	U	S	B	B	B	B
RIGHT BANK-TOP (structure within 1m) MUSIC	S	U	U	U	S	S	U	B	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SU	SU	SU	SU	SU	SU	SU	SU

G PLANT SPECIES LIST (Use DAFOR)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (Sparganium, Alisma, Sagittaria)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes (Glyceria, Phalaris, Sparg.)	✓	✓	✓	✓						✓
Floating-leaved (rooted) (Nuphar)		✓					✓			
Free-floating										
Amphibious (Ranunculus, Apium)	✓	✓								✓
Submerged broad-leaved										
Submerg fine/linear-leaved (Spirodela)	✓	✓	✓				✓			✓
Filamentous algae										

SITE NO. 7204

1994/1995 RIVER HABITAT SURVEY with the addition of plant species and cover

H LAND USE WITHIN 50m OF CHANNEL (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs' root vegetation (TH)	✓		Suburban/urban development (SU)	✓	✓

I BANK PROFILE

	L	R		L	R
Natural/unmodified	✓	✓	Artificial/modified	✓	
Vertical/undercut			Recectioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial tree-stage		
			Pitched		
			Embanked		
			Set-back embankments		

J MARGINAL TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☐	☑
Fallen trees	☑	☐	☐
Channel woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE (SLOW)

L CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)		RIGHT BANK	
Bankop height (m)	0.5	Water width (m)	16.5	Bankop height (m)	0.5
Embanked height (m)	/	Water depth (m)	NK	Embanked height (m)	/

If trashline lower than bankop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M CHANNEL MODIFICATIONS

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirdam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O CHANNEL VEGETATION

None ☐	Waterfalls > 5m high ☐	Braided/side channels ☐	Debris dams ☐
Leafy debris ☐	Artificial open water ☐	Natural open water ☐	Water meadow ☐
Fen ☐	Bog ☐	Carr ☐	Marsh ☐
Fleet ☐	Other (state) : NONE		

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q DOMINANT VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? (Specify) Rhododendron bushes

R OVERALL RIVER CORRIDOR

Major impacts: land-fill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Navigation (moorings RUB.)
Nice wetland area on LHB.

S ALDERS

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and scoring — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7218

Mid-site grid reference of network site if different from designated location:

Grid Reference: 39048 River: River Axe

Date: 16/5/1996 Time: 12.50 pm Surveyor name: Lanthorn Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ✓ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ✓ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

© COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use first) for - Riffles Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)* * = does cause only

Spot check ? in: aquarium ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material	EA	EA	EA	BR	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RI	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape										
Flow type *	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material	EA	EA	EA	BR	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RI	RS	RS	RS	PC	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from ...

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U	U	U	B	U	U	S	U	U	U
LEFT BANK FACE *(structure)*	U	U	U	B	S	S	C	S	S	S
RIGHT BANK FACE *(structure)*	U	U	U	B	S	U	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	B	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION CLASSES

NONE / PLANT GENERA - list first 5				✓						/
Bryophytes/lichens										
Emerg broad-leaved herbs		✓	✓			✓		✓		✓
Emerg reeds/sedges/rushes	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓						✓		✓

NO. 7218

SIDE VIEW OF RIVER CHANNEL

	L	R		L	R
Undefined woodland (BL)			Rough pasture (RP)		
Improved pasture (CP)			Improved/semi-improved grass (IG)	E	E
...rd (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
...(SC)			Open water (OW)		
...ubs' and vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
...shadeout			Resectioned	E	E
...al + fan			Reinforced - whole bank		
... (>5%)			Reinforced - top only		
Cliffs			Reinforced - toe only		
...ains			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	✓	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

IN-CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

...te predominant flow sequence *(select up to three features)*: NO PERCEPTIBLE FLOW

RIVER CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK		Bankop width (m)	16	RIGHT BANK	
Bankop height (m)	2.5	Water width (m)	10	Bankop height (m)	2.5
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

ARTIFICIAL INSTREAM STRUCTURES

None ☐ Number of: Culverts = Fords = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? Stock .....

PLANT DEBRIS AND ALGAL GROWTHS

None ✓

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state) .....
Bridges/culverts	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Pools ☐

ASSOCIATED PHYSICAL FEATURES

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

BANKSIDE VEGETATION

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nootka Rhododendron bracteatum

HUMAN IMPACTS

Major impacts: bankfill - dredging - flume - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonfly/damselflies

Other significant observations: Large reactored channel. Not interesting thing was a deadduck

ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (RHS) (IFE sheet for plant cover and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7219

Mid-site grid reference of network site if different from designated location:

Grid Reference: 408546 River: Chalk Ck

Date 16/5/1996 Time: 11.20 am. Surveyor name: Gittins. Accreditation code: FF36.

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(whole reach, total number)*

Riffles	○	Unvegetated point bars	○
Pools	○	Vegetated point bars	○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.M. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: 'TEN SPOT CHECKS' Page 2 of

FALLY (use 'Bft') for - Riffle Pools Unveg side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel (plus 5 m wide transect) at nine cross sections)*

Spot check 1 m² quadrat ☑ downstream →	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional fence*										
Material *(BE,BO,CO,ES,SA,PC,CL,SI,SP,ME,CA,AM,ZZ,NV)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,ES,RI,PC,AM,ZZ)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NF,NO,EC,RC,PA,NF,BB,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *TICK if functional fence*										
Channel substrate *(BE,BO,CO,GP,SA,RI,CL,PE,AR)*	GP	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape *(FL,OP,CL,SP,CU,PO,RI, Other - use)*										
Flow type *(NF,FOF,FPF,UNF,CF,BF,MF,SH,NF,NO)*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RE,DA,PO)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RO
Channel feature(s) *(NF,NO,BO,RES,WE,BO,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material *(BE,BO,CO,CL,LA,PC,CL,CC,SP,ME,SA,AM,ZZ)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,ES,RI,PC,AM,ZZ)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(NF,NO,EC,RC,PA,NF,BB,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: IE, CP, OR, WH, RC, TH, HF, AG, IL, WE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* MUSIC	U	U	U	U	S	S	S	S	S	S
LEFT BANK FACE *(structure)* MUSIC	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* MUSIC	S	S	S	S	B	S	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* MUSIC	S	S	S	S	B	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

Q PLANT SPECIES LIST *(whole reach, list all species)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs					✓			✓		✓
Emerg reeds/sedges/rushes	✓	✓	✓		✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓			✓						✓
Submerged broad-leaved										
Submerg fine/linear-leaved	E	E	E	E	E	E	E	E	E	E
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 7219 1996 RIVER HABITAT SURVEY: CONDITIONS SURROUNDING SITE

E LAND COVER

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/Parkland (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and ruderal (TH)			Suburban/urban development (SU)		

F CHANNEL MODIFICATIONS AND CONTROL

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/Undercut			Resectioned	E	E
Vertical + bank protection			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial berm/shelf		
			Pitched	/	/
			Embanked		
			Set-back embankments		

G CHANNEL DIMENSIONS AND GRADIENT

TERRACES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging bushes	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Undercut low marks	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

I WATER MARGIN AND INSTREAM VEGETATION

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Marginal shelf(s)	☑	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide

J BANK AND CHANNEL FEATURES

LEFT BANK		Bankop width (m)	10·0	RIGHT BANK
Bankop height (m)	2·2	Water width (m)	6·0	Bankop height (m) 1·75
Embanked height (m)		Water depth (m)	1·2	Embanked height (m)

If bankface lower than bankop level in slope, indicate: height (m) = width(s) (m) =

Bed exposed at site is: unvegetated (gravels) ☑ vegetated (layer) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

K STANDING WATER

None ☑ Number of: Cascades = Weirs = Overfalls = Pools =
Footbridges = Roadbridges = Other =
Is water impounded by weirs(s)? No ☑ Yes, <33% of site ☐ >33% of site ☐

L ARTIFICIAL FEATURES

None ☑ Dredging ☐ Mooring ☐ Wind-cutting ☐
Enhancement ☐ Other ? State .....

M ADJACENT WATER FEATURES

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐
Bankside channels	☐	Natural open water	☐
Debris dams	☐	Water meadow	☐
Leaky debris	☐	Fen	☐

Bog ☐ Other (state) .....
Carr ☐
Marsh ☐
Flush ☐

N BANKSIDE VEGETATION

Is 33% or more of the channel choked with vegetation? - NO ☑ YES ☐

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

O WATERSHED FEATURES

Major impacts: bankfill - dipping - filter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overshadowing - afforestation - fisheries management - tilling - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: channel is choked by an EXCESSIVE amount of rhododendron/ivy etc

P ATMOSPHERIC POLLUTION

Aldert? None ☑ Present ☐ Extensive ☐ Diesel Aldert? None ☑ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7220

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 16/5/1996 Time: 3pm. Surveyor name Ian Hems. Accreditation code. PF36.

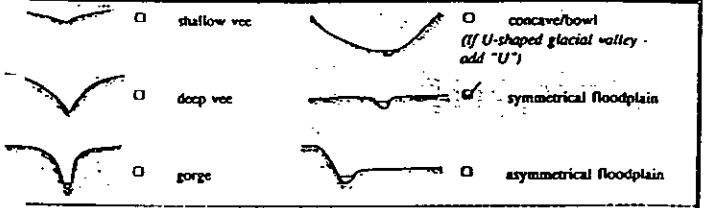
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*



☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(within channel unit limits)*

Riffles 8 Unvegetated point bars 10

Pools 6 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (exc BH) for Riffles 8 | 11 Pools 6 | 1 Un-veg. bars 10 | 10 Veg point bars 0

6 PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * in exc category only

Spot check 1 vs. upstream ✓ downstream ↓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	SC	PB	SC	EC	NO	SC
CHANNEL *(IGNORE channel modifications and features)*										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape										
Flow type *	RP	SM	RP	RP	SM	NP	SM	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	MB	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	SA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	NO	NO	EC	SC	NO	NO	SC

7 BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, IC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	IG	IG	IG	IG	IG	SC	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	C	C	C	C	S	S	C
LEFT BANK FACE *(structure)* B/U/S/C	C	C	S	S	S	S	S	B	B	C
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	C	B	S	S	C	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	C	S	S	C	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SC	SC	IG	IG	IG	IG	SC

8 CHANNEL VEGETATION *(the wetted channel (or 1m wide transect if <1m wide) and within-channel features)*

NONE / PLANT GENERA - list first 5				✓				✓		
Bryophytes/lichens	✓									
Emerg broad-leaved herbs	✓	✓			✓	✓	✓	✓		✓
Emerg reeds/sedges/rushes							✓			
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓		✓							

SITE NO. 7220 1996 RIVER HABITAT SURVEY: SHEET OF Page 3 of 4

ANCILLARY FEATURES *(within 50m of channel)*

	L	R		L	R
Coniferous woodland (BL)			Rough pasture (RP)		
Broad-leaved plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		E
Inland rock/ marsh vegetation (TH)			Suburban/urban development (SU)		

CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Channelised	E	E	Resectioned		
Dredged	✓	✓	Reinforced - whole bank	✓	✓
Recently (<5 yr)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Unstable			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

CHANNEL DIMENSIONS AND FLOW

LEFT BANK		Bankfull width (m)	8.00	RIGHT BANK	
Bankfull height (m)	1.5	Water width (m)	5.75	Bankfull height (m)	1.25
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

CHANNEL MAINTENANCE *(within 50m of channel)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

FLOODPLAIN

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS *(within 50m of channel)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

CATCHMENT FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very meandering river with lots of trees. P.B's and cliffs. Also a large manmade pond (lake with islands, reeds) etc on R. bank at county farm which a little. Nice environment.

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	8.00	RIGHT BANK	
Bankfull height (m)	1.5	Water width (m)	5.75	Bankfull height (m)	1.25
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

CHANNEL MAINTENANCE *(within 50m of channel)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

FLOODPLAIN

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS *(within 50m of channel)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

CATCHMENT FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very meandering river with lots of trees. P.B's and cliffs. Also a large manmade pond (lake with islands, reeds) etc on R. bank at county farm which a little. Nice environment.

SITE NO. 7220 1996 RIVER HABITAT SURVEY: SHEET OF Page 3 of 4

ANCILLARY FEATURES *(within 50m of channel)*

	L	R		L	R
Coniferous woodland (BL)			Rough pasture (RP)		
Broad-leaved plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		E
Inland rock/ marsh vegetation (TH)			Suburban/urban development (SU)		

CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Channelised	E	E	Resectioned		
Dredged	✓	✓	Reinforced - whole bank	✓	✓
Recently (<5 yr)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Unstable			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

CHANNEL DIMENSIONS AND FLOW

LEFT BANK		Bankfull width (m)	8.00	RIGHT BANK	
Bankfull height (m)	1.5	Water width (m)	5.75	Bankfull height (m)	1.25
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

CHANNEL MAINTENANCE *(within 50m of channel)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

FLOODPLAIN

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS *(within 50m of channel)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

CATCHMENT FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very meandering river with lots of trees. P.B's and cliffs. Also a large manmade pond (lake with islands, reeds) etc on R. bank at county farm which a little. Nice environment.

FEATURES *(within 50m of channel)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence *(select up to three features)*: RUN-GLIDE

WOODY DEBRIS *(within 50m of channel)*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (SPOT CHECKS) — SHEET 1 of 2

A. PRE-SURVEY GROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. SURVEY DETAILS

Reference network site number: 7229

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 23/6/1996 Time: 17:00 Surveyor name JJL Accreditation code AF47

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBERS OF RIFFLES, POOLS AND POINT BARS

Riffles |	Unvegetated point bars —
Pools /	Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (SPOT CHECKS) — SHEET 2 of 2

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

E. PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK (functional zone)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK (functional zone)										
Channel substrate	GP	GP	CL	SA	SA	SA	SA	SC	SC	SC
Substrate shape	SK	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	RP	RP	SM	RP	SM	SM	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO		NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK (functional zone)										
Material	EA	EA	EA	EA		EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TD	SU	IG	TD	IG	IG
LEFT BANK-TOP (structure within 1m) BANDC	U	U	S	U	U	S	U	U	C	S
LEFT BANK FACE (structure) BANDC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANDC	S	S	S	U	S	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANDC	S	S	S	S	S	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	DW	TH	TH	TH	SW	SW	SU	DL

G. CHANNEL VEGETATION

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Emerg reeds/sedges/rushes					E		✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad-leaved	✓	✓	✓	✓	✓	✓	E	E	E	✓
Submerg fine/linear-leaved	✓	✓		✓	✓	✓	E	✓	✓	✓
Filamentous algae	✓	✓		✓	✓	✓	✓	✓	✓	✓

SITE NO. 7229

1996 RIVER HABITAT SURVEY (SPOT CHECKS) — SHEET 3 of 3

H. SURROUNDING LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)		E	Suburban/urban development (SU)	✓	

I. BANK AND SIDE MATERIAL

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical < 1m			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial bare exposure		
			Pitched	✓	
			Embanked		
			Set-back embankment		

J. EXCEPTIONAL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box for features)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☐	☐
Cleaner woody debris	☐	☐	☐

K. CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☐	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Bend(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: Glide Run Rif

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1996 RIVER HABITAT SURVEY (SPOT CHECKS) — SHEET 4 of 4

L. CHANNEL DIMENSIONS AND FLOW

LEFT BANK				RIGHT BANK
Banktop height (m)	0.2	Banktop width (m)	4.8	Banktop height (m) 0.2
Embanked height (m)	—	Water width (m)	4.5	*Embanked height (m)* —
		Water depth (m)	0.5	

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Fords = Weirs = Outfalls = Other = Footbridges = Roadbridges =

Is water impounded by weirdam? No ☐ Yes, <33% of site ☐ >33% of site ☑

N. RIVERSIDE AND CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

O. FEATURES OF ARTIFICIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. INVASIVE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nonlic Rhododendron bushes

R. OVERALL RIVER CORRIDOR SURVEY

Major impacts: none - dipping - flow - sewage - pollution - drought - obstruction - wall reduc - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7225

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WORTH STREAM

Date: 2.5.1996 Time: 945 Surveyor name: I HARRIS Accreditation code: PF36

Adverse conditions affecting survey? No ☐ Yes ○ *If yes, state* .....

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ○ Yes ☐ *(tick one box)*

Site surveyed from: left bank ○ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

○	shallow vee	✓	concave/bowl (If U-shaped glacial valley - add "U")
○	deep vee	○	symmetrical floodplain
○	gorge	○	asymmetrical floodplain

Terraced valley floor? No ○ Yes ○ | IFE - VALLEY FORM NOTES:

D SUMMARY OF RIFFLE / POOL SEQUENCE (estimated lengths)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure chains TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (one unit) for: Riffles / Pools / Unveg point bars / Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel at 10 equidistant transects)

Spot check (i.e. upstream ☐ downstream ☐)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK ☐ if functional fence										
Material (CL, SA, SI, CO, CB, BO, BL, CC, SP, AF, ES, AM, ZM)	CL	CL	CL	CL	CL	EA	CL	EA	CL	CL
Bank modification(s) (NE, NO, RS, RR, RC, AM, ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF, PO, EC, RC, FA, SP, SB, TR)	NO	EC	EC	EC	SC	SC	NO	SC	NO	NO
CHANNEL										
Channel substrate * (SF, BE, BO, CO, GP, SA, SI, CL, FE, AM)	CC	CL	SA	CL	SC	CL	CL	CL	CL	CL
Substrate shape (T, CP, CB, SF, CH, FO, IR, Other - note)										
Flow type * (T, CP, SP, WF, CP, SF, UF, SM, RP, NO)	RP	SM	RP	SM	UW	SM	RP	SM	RP	RP
Channel modification(s) (NE, NO, CY, RS, IR, NO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (SF, PO, BO, WR, TR, RD, TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	TR
RIGHT BANK TICK ☐ if functional fence										
Material (SF, BE, CO, CB, SA, FE, CL, CP, SP, CC, SI, AM, ZM)	CL	CL	CL	CL	CL	EA	CA	EA	CL	CL
Bank modification(s) (NE, NO, RS, RR, RC, AM, ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF, PO, EC, RC, FA, SP, SB, TR)	EC	EC	SC	SC	NO	NO	NO	SC	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)

Land use: choose one from: IA, CP, OR, HR, IC, TH, RT, IG, IL, WE, OW, RV

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	SC	IG	SG	IG	IG
LEFT BANK-TOP (structure within 1m) WIDTH	S	C	U	U	U	S	S	S	S	C
LEFT BANK FACE (structure) WIDTH	S	B	B	B	B	S	B	B	B	B
RIGHT BANK FACE (structure) WIDTH	B	B	B	S	S	U	B	B	B	B
RIGHT BANK-TOP (structure within 1m) WIDTH	U	S	S	S	C	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	IG	IG		IG	IG	SC	IG	BU

RIGHT BANK VEGETATION STRUCTURE (Tick ✓ one box per column)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓	✓						
Emerg broad-leaved herbs					✓	✓	✓	✓	✓	
Emerg reeds/sedges/rushes			✓							✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									
Submerged broad-leaved										
Submerg fine/linear-leaved										✓
Filamentous algae	✓	✓		✓	✓		✓			✓

SITE NO. 7225

G CHANNEL DIMENSIONS AND FLOW CONDITIONS

	L	R		L	R
Bedrock/boulder/cobble (BE)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (SG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/bank (MD)			Wetland (eg bog, marsh, fen) (WL)		
Crop (SC)	✓	✓	Open water (OW)		
Rank herbs/ scrub vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Riffle/shallows	E	E	Bunded/weir		
Pool + run			Enhanced - whole bank	✓	✓
Run (>0.5)	E	E	Enhanced - top only		
Glide		✓	Enhanced - toe only		
Spreader			Artificial bypass/pool		
			Perched		✓
			Embanked		
			Set back embankments		

H CHANNEL VEGETATION AND ASSOCIATED FEATURES

TYPES (Tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	✓	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (Tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwood	○	✓	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	✓	○	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	○	○	✓	Vegetated mid-channel bar(s)	✓	○	○
Braid(s)	✓	○	○	Mature island(s)	✓	○	○
Oxbow(s)	○	○	✓	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Estimate predominant flow sequence (select up to three features): RUN, GLIDE

I CHANNEL DIMENSIONS AND FLOW CONDITIONS

LEFT BANK		Bankop width (m)	2.20	RIGHT BANK
Bankop height (m)	0.7	Water width (m)	1.75	Bankop height (m) 0.7
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)

If modification lower than bankop break in slope, indicate: height (m) = 0.7 width (m) = 2.20 (semi NEAT IS Bank)

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ✓ other ○ *(tick one box)*

J MAN-MADE FEATURES

Dams ○ Number of: Culverts = Weirs = Outfalls = Ponds =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

K RIVER MANAGEMENT

Mowing ✓ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? Details .....

L OTHER FEATURES

Name ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (name) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

M CHANNEL VEGETATION

In 33% or more of the channel choked with vegetation? NO ✓ YES ○

N RIPARIAN VEGETATION

Name ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? (Inc. Rhododendron bushes)

O OTHER OBSERVATIONS

Major impacts: livestock - dipping - lime - sewage - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Meandering translocation. Tree fall. Bank erosion & Point bar on left as now 1 of the steeplight. Width/depth ratio = 7 (steep) - 1 (shallow) = 6 (moderate). Flow conditions good. Trout/bullhead evidence. Access unmanageable from bank on right.

P ALGAL GROWTHS

Algae? None ○ Present ○ Extensive ○ Diatomal Algae? None ○ Present ○ Extensive ○

BACKGROUND MAP BASED INFORMATION

Altitude (m) | Slope (m/km) | Dist. catchment (Ha)
Solid geology | Drift geology | Floodplain category
Distance from source (km) | Significant tributary | Vegetation
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number 7229

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 477595 River:

Date 21/9/1996 Time: 14:50 Surveyor name P Scarlett Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☑ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles

Pools 2

Unvegetated point bars

Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: PHYSICAL ATTRIBUTES

TALLY (use DAY for Riffles, Pools, Unveg. side bars, Veg. point bars)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check (✓) upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material *(BE,BO,CO,CB,SA,PE,CL,OC,SI,WT,CA,MA,BA)*	BA	EA	EA	EA	EA				M	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BA,EN)*	NO	NO	NO	NO	NO				NO	NO
Bank feature(s) *(NV,NO,EC,BC,PA,WT,SB,VE)*	NO	NO	NO	NO	NO				NO	NO
CHANNEL										
Channel substrate * *(NV,BE,BO,CO,GF,SA,SI,CL,PE,AE)*	SI	EP	PP	PP	PP				SI	BP
Substrate shape *(FL,CV,CI,TF,CU,FO,IR, Others: ...)*	NA	IR	IR	IR	IR				NA	IR
Flow type * *(FT,CH,RV,UW,CF,BF,UP,SM,NP,NO)*	SM	BP	SM	SM	SM				NO	NO
Channel modification(s) *(NE,NO,CV,RS,RI,DA,TO)*	NO	NO	NO	NO	NO	CV	CV	CV	NO	NO
Channel feature(s) *(NV,NO,RO,MB,TB,BE,TR)*	NO	NO	NO	NO	NO				NO	NO
RIGHT BANK (looking downstream)										
Material *(BE,BO,CO,CB,SA,PE,CL,OC,SI,WT,CA,MA,BA)*	EA	EA	EA	EA	EA				EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BA,EN)*	NO	NO	NO	NO	NO				NO	NO
Bank feature(s) *(NV,NO,EC,BC,PA,WT,SB,VE)*	NO	NO	NO	NO	NO				NO	NO

LAND USE AND VEGETATION TYPE

Land use: choose one from BL, CF, OR, MH, RC, TB, IF, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	IG	IG	IG	IG	TR	SU
LEFT BANK-TOP *(structure within 1m)* BANSTC	S	S	S	S	S				S	S
LEFT BANK FACE *(structure)* BANSTC	B	B	B	B	S				S	S
RIGHT BANK FACE *(structure)* BANSTC	B	S	B	B	S				S	S
RIGHT BANK-TOP *(structure within 1m)* BANSTC	S	S	S	S	S				S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	OW	SU	SU	SU	BL
NONE / PLANT GENERA - list first 5	/	/	/	/	/	/	/	/	/	
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

LAND USE WITHIN 50m OF BANKTOP (L) (≥ 33% boundary) or (R) present

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Scrub/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TR)			Suburban/urban development (SU)		

EXTENT OF ARTIFICIAL/MODIFIED BANK TOP (≥ 33% boundary)

	L	R		L	R
Unmodified			Artificial/modified		
Vertical/enforced			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (>45°)	/	/	Reinforced - toe only		
Gabion	E	E	Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

EXTENT OF WATERFALLS, RIFFLES, GLIDES AND MARGINAL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal dead-water	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Bay(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS (to be measured at best site on a straight but non-even section, preferably across a riffle)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.60	Water width (m)	4.00	Banktop height (m)	0.6
Embanked height (m)		Water depth (m)	0.90	*Embanked height (m)*	
			0.05		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☐ Number of Culverts = 3 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D. FEATURES OF ORNAMENTAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. OBVIOUS NON-INDIGENOUS PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G. OBVIOUS HUMAN IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations Kestrels hedges in woodland, cut, follow, other flow, alt, tarts, with, hillsides, outdoor, old, flooded, legendary, river, flowing, between, and, adjacent, to, small, lake, island, very, they, all, best, country, then, very, country, open, other, reopening

H. ALDERS (if present, record bay(s))

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Reference artwork file number: 7230

Grid Reference: S23582 River:

Date: 30/5/1996 Time: 4.25 pm. Surveyor name: Bentinck. Accreditation code: FF86

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

LFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ✓ (tick as appropriate)

shallow vee ○ concave/bowl ✓ (If U-shaped glacial valley - add "U")

deep vee ○ symmetrical floodplain ○

asymmetrical floodplain ○

Terraced valley floor? No ✓ Yes ○

LFE - VALLEY FORM NOTES:

Riffles 3 Unvegetated point bars ○

Pools ○ Vegetated point bars ○

...ND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
... DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications	RC	RC	RC	PC	PC	NO	NO	NO	NO	R
Bank features	NO	NO	NO	NO	NO	SC	SC	SC	NO	NO
Channel substrate	GP	GP	GP	GP	GP	SI	SI	SI	CO	GP
Substrate shape	IR	IR	IR	IR	IR	-	-	-	IR	IR
Flow type	RP	RP	RP	RP	RP	SM	SM	SM	RP	RP
Channel modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	WP	EA	EA	EA	EA	NP	CC	BC
Bank modifications	NO	-	SW	NO	NO	NO	NO	RI	?	RI
Bank features	NO	SC	NO	NO	SC	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	SL	SU	SC
LEFT BANK TOP (structure within 1m)	S	C	C	U	S	U	U	C	C	C
LEFT BANK FACE (structure)	C	C	C	B	S	B	B	S	C	S
RIGHT BANK FACE (structure)	S	B	B	S	S	C	C	B	B	B
RIGHT BANK TOP (structure within 1m)	C	C	B	C	C	C	C	S	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	TH	BL	SU	IG	SU	SC	SU	SU	SU	SU

NONE / PLANT OENERA - list first 5	✓		✓							
Bryophytes/lichens		✓		✓	✓		✓	✓		✓
Emergent broad-leaved herbs						✓				
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/dense-leaved										
Occasional algae						✓		✓	-	

	L	R		L	R
Boulder/Cobble weathered (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Mixed/deciduous (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)	✓	
Tall herbs/ rank vegetation (TH)		✓	Suburban/urban development (SD)	✓	E

Natural/unmodified	L	R	Artificial/ modified	L	R
vertical/undercut	E	E	Resectioned	✓	✓
vertical + toe			Reinforced - whole bank	✓	E
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓		Reinforced - toe only	✓	
composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	✓	○
Semi-continuous	○	✓
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Undercut tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

	None	Present	E
Waterfalls(s)	✓	○	○
Cascades(s)	✓	○	○
Rapids(s)	✓	○	○
Riffle(s)	○	✓	○
Run(s)	○	○	✓
Pool(s)	✓	○	○
Chute(s)	○	○	✓
Pond(s)	✓	○	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	✓	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid channel bar(s)	✓	○	○
Islands(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

*LC predominant flow sequence (select up to three features): RUN - GLIDE

LEFT BANK		Bankstep width (m)	3.5	RIGHT BANK
Bankstep height (m)	0.6	Water width (m)	3.0	Bankstep height (m) 1.0
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)

If bankface lower than bankstep break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

None ○ Number of Cut-outs = Footbridges = (1) Weir = Bankbridges = (1) Outfalls = (1) Other = Fords =

Is water impounded by weirs/dams? No Yes, <33% of site ○ >33% of site ○

None ✓ Dredging ○ Mowing ○ Weed cutting ○

Enhancement ○ Other? State .....

None	○				
Waterfalls > 5m high	○	Artificial open water	✓	Bag	○ Other (state)
Bridges/side channels	○	Natural open water	○	Cars	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Flash	○

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Monks Rhododendron bushes

Major impacts: landfill - dipping - flood - sewage - pollution - drought - abstraction - mill - dam - weed - rod industry - bunding - sinking - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: FILAMENTOUS ALGAE SMOOTH
VERTICAL LOOSE STREAM BED ABOVE AREA UNDER
GRAVEL BAR - 0.5 STICK-1

Aliens* None ○ Present ✓ Extensive ○ Diamond Aliens* None ✓ Present ○ Extensive ○

1996 RIVER HABITAT SURVEY in the British Isles for plant species and fencing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 1231

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Lyde

Date: 14/5/1996 Time: 14 00 Surveyor name: JJL Accreditation code: OFA

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bars 0

Pools 0 Vegetated point bars 0 1

ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY in the British Isles for plant species and fencing Page 2 of 4

TALLY (use 5bf) for - Riffles III Pools Usable side bars Veg point bars

PHYSICAL ATTRIBUTES *(to be completed across channel within a 10m reach)*

Spot check 1 m upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material	EA	FA	FA	FA	EA	FA	FA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature										
Channel substrate	GP	GP	GP	NU	GP	NU	NU	GP	GP	GP
Substrate shape	NA	NA	SA	NA	NA	NA	NA	TA	NO	NO
Flow type	CM	FF	CM	CM	GP	CM	CM	UP	CM	CM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material	SA	SA	FA	FA	FA	FA	FA	SA	SA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RE	NO	NO
Bank feature(s)	FF	NO	FL	SC	SC	NO	NO	NO	NO	NO

BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: AL, CP, OR, WH, SC, TR, CF, IG, FL, ML, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BG	TG	TG	TG	SC	SC	OL	FG	TG	TG
LEFT BANK-TOP *(structure within 1m)* MUSIC	S	S	S	U	S	S	S	U	U	C
LEFT BANK FACE *(structure)* MUSIC	S	S	S	S	S	U	S	S	S	S
RIGHT BANK FACE *(structure)* MUSIC	C	U	S	U	U	U	U	B	U	U
RIGHT BANK-TOP *(structure within 1m)* MUSIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

VEGETATION SURVEY

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			/							
Emerg broad-leaved herbs							/			/
Emerg rush/sedge/reedmace	✓		✓	✓	✓		✓		✓	✓
Floating-leaved (rooted)										/
Free-floating										
Amphibious	/	/	✓				/		✓	
Submerged broad-leaved			/							
Submerg fine/filamentous leaved	✓	/			/			✓	✓	
Filamentous algae								✓		

ITE NO. 1231

1996 RIVER HABITAT SURVEY in the British Isles for plant species and fencing Page 3 of 4

CHANNEL SECTIONS

	L	R		L	R
Unmodified/natural woodland (UW)	✓		Rough pasture (RP)		
Improved/semi-improved grass (IG)			Improved/semi-improved grass (IG)	E	
Scrub (SR)			Tilled land (TL)		
Mown/managed herb (MH)			Wetland (eg bog, marsh, fen) (WL)		
Arable (AR)	✓	✓	Open water (OW)		
Walls/ fences/ road embankment (TH)			Suburban/urban development (SU)		6

Natural/unmodified	L	R	Artificial/modified	L	R
Unmodified/natural	L	E	6	Reinforced		
Scrub + trees	E	E	Reinforced, whole bank		
Cliff			Reinforced, top only		
Quarry	✓	✓	Reinforced, toe only		
			Artificial toe-stage		
			Enhanced		
			Set back embankment		

TREES *(tick one box per bank)* and ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right		None	Present	E (≥33%)
None	☐	☐	Slump or slip	☐	☑	☐
Isolated/scattered	☐	☑	Overhanging banks	☑	☐	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	☐	☐	☐
Occasional clumps	☐	☐	Undercut bank roots	☐	☑	☐
Semi-continuous	☑	☐	Rilled areas	☑	☐	☐
Continuous	☐	☐	Exposed tree roots	☐	☑	☐

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Point(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: Run Glide.

1996 RIVER HABITAT SURVEY in the British Isles for plant species and fencing Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankstop height (m)	0.25	Bankstop width (m)	8	Bankstop height (m)	0.25
Embanked height (m)		Water width (m)	8	Embanked height (m)	
		Water depth (m)	0.85		

If trapezium lower than bankstop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: unconsolidated (transport) ☑ unconsolidated (bank) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☐ Number of: Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir(s)? No ☐ Yes, <33% of site ☑ >33% of site ☐

BANK MANAGEMENT

None ☐ Dredging ☐ Mowing ☑ Weed cutting ☐
Enhancement ☐ Other (e.g. fence) .....

BANK PROTECTION

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bag ☐ Other (state) .....
Bridges/tide channels ☐ Natural open water ☐ Cars ☐
Debris dams ☐ Water meadows ☐ Marsh ☐
Log dams ☐ Bog ☐ Fleet ☐

BANK EROSION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notable Rhododendron location

ADJACENT LAND USE

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

Alien? None ☐ Present ☑ Extensive ☐ Diseased Alien? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with life zones for plant species and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7213

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Blackwater

Date 18/5/1996 Time: 10.24 Surveyor name JJC Accreditation code. RFG3

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(number each type)*

Riffles 1 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.E. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY HUMAN INFLUENCES SCORES — Page 2 of

TALLY (use 3rd) for - Riffles | Pools | Unveg. side bars | Veg point bars

H PHYSICAL ATTRIBUTES *(for the associated channel within 5m wide transect)*

Spot check ↑ or upstream ☑ ↓ or downstream ☐

	1	2	3	4	5	6	7	8	9	10
I ARTIFICIAL FEATURES (presence/absence)										
Material	EA	EA	EA	EA	BA	BA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO
J CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	CL	GP	GP	SF	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	TR	NO	NO	NO	NO	NO
RIGHT BANK *(tick if functional feature)*										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

K BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, HH, SC, TH, RP, IG, TI, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	IG	RP	BL	BL	IG	IG	IG	IG	BL
LEFT BANK-TOP *(structure within 1m)* BANK	U	U	U	U	U	U	S	U	U	S
LEFT BANK FACE *(structure)* BANK	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BANK	U	U	U	U	U	U	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* BANK	U	U	U	U	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	RP	RP	IG	IG	IG	SC	SC

L RIGHT BANK VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes	✓	✓	E		✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	E	E	E	E	E	E	E	E	E	E
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Lacustrine algae	✓	✓	✓			✓		✓	✓	

1996 RIVER HABITAT SURVEY

SITE NO. 7232

E CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankfull height (m)	0.8	Bankfull width (m)	5.8	Bankfull height (m)	0.8
Embanked height (m)		Water width (m)	5.5	Embanked height (m)	
		Water depth (m)	0.5		

If trapezoidal: lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ intergrav ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

F CHANNEL ATTRIBUTES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Bankfalls = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

G BANKSIDE ATTRIBUTES

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

H CHANNEL ATTRIBUTES

None	☐	Artificial open water	☑	Bog	☐
Waterfalls > 5m high	☐	Natural open water	☐	Carr	☐
Braided/side channels	☐	Water meadow	☐	Marsh	☐
Debris dams	☐	Fen	☐	Flush	☐
Leafy debris	☐			Other (state)	.....

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☑

I WATERSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

J RIVERSIDE LAND USE

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

K TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

L WATERCOURSE FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☑	☐	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Islands(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

(indicate predominant flow sequence (*select up to three features*): G R C

M BANKSIDE TREES

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE woods for plant covers and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7215

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Wey

Date 16/5/1996 Time: 12.00 Surveyor name: JLC Accreditation code: RF(4)

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

C NUMBER OF RIFFLES, POOLS AND POINT BARS *(maximum count along 500m)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY STOP CHECK — Page 2 of 4

TALLY (use 1111) for: Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel at 10m wide transect)*

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO		NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	SC		SC		NO
CHANNEL										
Channel substrate *	NV	NV	NV	BW	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	FLR	NA	NA	NA	NA
Flow type *	SM	SM	SM	RO	RP	BW	SW	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO		NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CT, OR, WH, SC, TH, RF, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	BL	BL	SU
LEFT BANK-TOP *(structure within 1m)* BA/S/C	U	U	U	U	U	U	U	S	S	U
LEFT BANK FACE *(structure)* BA/S/C	S	S	S	U	S	U			S	S
RIGHT BANK FACE *(structure)* BA/S/C	S	S	S	S	S	U		S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/S/C		S	S	S	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	CE	CE	SU	SU	SU	SU	BL	BL	SU	BL

G BANKTOP VEGETATION TYPES *(% cover)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓			
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓			
Floating-leaved (rooted)		✓	✓			✓		✓		
Free-floating										
Amphibious						✓				
Submerged broad-leaved										
Submerg fine/linear-leaved							✓	✓		✓
Filamentous algae										

1996 RIVER HABITAT SURVEY with IFE woods for plant covers and fencing — Page 3 of 4

SITE NO. 7215 RIVER HABITAT SURVEY CONSERVATION Page 3 of 4

H CONTEXT FOR QUANTITATIVE DATA

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Lowland heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)	E	E

I CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + bare	✓	✓	Reinforced - whole bank		
Sheep (<45°)	✓	✓	Reinforced - top only		
Cattle			Reinforced - toe only		
Composite			Artificial flow-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J CHANNEL AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: G1.d

1996 RIVER HABITAT SURVEY CHANNEL DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.6	Bankfull width (m)	16	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	15	*Embanked height (m)*	
		Water depth (m)	NK		

If bankline lower than banktop break in slope, indicate: height (m) = ✓ width(m) = ✓

Bed material at site is: consolidated (rock) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M WATER FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N MAN-MADE FEATURES

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State

O LOCATION OF GRAZING

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☑ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leaky debris ☐ Fen ☐ Fluvia ☐

P CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANTS *(% cover)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☑ Other? Nordic Rhododendron bracteatum

R OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:
Silt rich bottom Valley Golf Club ✓ Weir ✓ Ford
Gardens.

S ALDERS

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

Reference network site number: 7251

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 711 484 River: Ulkt Lwr

Date: 9/5/1996 Time: 0850 Surveyor name: MW MG Accreditation code: XC4/65

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add 'U')
☑ deep vee
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

Riffles 7 Unvegetated point bars 1

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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TALLY (no. ticked) for: Riffles 7	Pools	Unveg. side bars	Veg. point bars

Spot check 1 at upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
Material	CC	CC	BK	BL	SC	BO	BO	SC	CO	CO
Bank modification(s)	N	R1	NO	NO	NO	NO	NO	N1	N1	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	BL	BL	CO	BL	BL	BO	CO	CO	CO	CO
Substrate shape	FL	IR	IR	IR	IR	IR	IR	IR	FL	IR
Flow type	RF	FI	RF	RU	RF	RF	RF	RF	RU	RF
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	CO	RO	20	RO	20	RO	RO	RO	RO
Material	CO	BL	SL	BL	SL	CO	CO	CO	CO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from: BL, CP, OR, SCR, RC, TR, GT, AC, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SH	SH	SH	SH	BL	BL	BL	BL	IR	
LEFT BANK-TOP (structure within 1m) 0010C	4	B	C	C	C	C	C	S	S	S
LEFT BANK FACE (structure) 0010C	S	B	4	S	S	S	6	S	B	B
RIGHT BANK FACE (structure) 0010C	C	B	4	S	S	B	4	S	S	B
RIGHT BANK-TOP (structure within 1m) 0010C	C	C	C	C	C	C	4	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	B	BL	BL

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs WATERCRESS	✓	✓								
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filamentous-leaved										
Filamentous algae	?	✓	✓	✓	✓	✓		✓	✓	✓

SITE NO. 7251

	L	R		L	R
Broadleaf/mixed woodland (BL)	☑	☑	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / rank vegetation (TH)			Suburban/urban development (SU)	✓	

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recumbent		
Vertical + toe			Reinforced - whole bank	✓	
Steep (>45°)	☑	☑	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Estimated		
			Set-back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Occurs mostly debris	☐	☑	☐

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascade(s)	☐	☑	☐
Rapid(s)	☐	☐	☑
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☑	☐	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☐	☑
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☐	☑	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): RUN - RUN - PAR.

LEFT BANK		Bankop width (m)	9.00	RIGHT BANK
Bankop height (m)	1.00	Water width (m)	6.00	Bankop height (m) 0.80
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)

If bankface lower than bankop bank in steps, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

Name ☑ Number of: Culverts = Footbridges = Weirs = Bankbridges = Outfalls = Other = Fords =

Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

Name ☑ Dredging ☐ Moving ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

Name ☐ Waterfalls > 5m high ☐ Bridges/tide channels ☑ Debris dams ☐ Leafy debris ☐ Artificial open water ☐ Natural open water ☐ Water meadow ☐ Fen ☐ Bog ☐ Carr ☐ Marsh ☐ Fleash ☐ Other (state) .....

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle Rhododendron bushes

Major impacts: landfill - dredging - channelisation - mill dam - weir - reservoir - flood defence bunding - culverting - quarrying - sheet piling - afforestation - fisheries management - other =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: SMOG (SMALL) @ STOCKPILE 10, o/s GB CITE, ...

Algae? None ☑ Present ☐ Extensive ☐ Diatoms? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7254

Mid-site grid reference of network site if different from designated location:

Grid Reference: 274406 River: Caunant brook

Date 16.5.1996 Time: 8.35 am Surveyor name Ian Harris Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ✓ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ✓ channel ☐ *(tick as appropriate)*

C DOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ✓ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles ○ Unvegetated point bars ○

Pools ○ Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use DAY) for - Riffles Pools Unveg side bars Veg point bars

G PHYSICAL ATTRIBUTES (to be assessed across channel, within 1 m wide transect) * = one entry only

Spot check (m upstream from ✓ downstream ☐)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape										
Flow type *	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NC	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from ...

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m)	U	U	U	S	U	U	B	B	B	U
LEFT BANK FACE (structure)	S	S	U	C	S	U	U	U	U	U
RIGHT BANK FACE (structure)	S	S	S	S	U	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	U	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

H CHANNEL VEGETATION TYPES (list genera)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs		✓			✓					✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious						✓				✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓								✓

I CHANNEL DIMENSIONS AND FLOW CATEGORY

LEFT BANK	TICK	Bankfull width (m)	15.0	RIGHT BANK	TICK
Bankfull height (m)	1.0	Water width (m)	12.0	Bankfull height (m)	1.0
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

J ARTIFICIAL FEATURES

None ✓ Number of: Culverts = Weirs = Outfalls = Pools =
Footbridges = Bridges = Other =

Is water impounded by weir/dam? No ✓ Yes: <33% of site ☐ >33% of site ☐

K EVIDENCE OF RECENT CHANNEL MANIPULATION

None ☐ Dredging ☐ Mowing ✓ Weed-cutting ☐
Embankment ☐ Other ? Date: Clearing downstream (last year, previously)

L FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	✓	Bog	☐
Bridges/pipe crossings	☐	Natural open water	☐	Other (state)	
Debris dams	☐	Water meadow	☐	Carr	☐
Leaky debris	☐	Fen	☐	Marsh	☐
				Flush	☐

M CHANNEL VEGETATION CONTROL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

N BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mainly Rhododendron bushes

O LAND USE

Major impacts: landfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: soil solids - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations:

P ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

SITE NO.

Q RIVER CHANNEL SURVEY CROSS-SECTION PROFILE

R BANKSIDE SURVEY CROSS-SECTION PROFILE

	L	R		L	R
Unconsolidated woodland (BL)			Rough pasture (RP)		
Fibrous phragmites (CP)			Improved/semi-improved grass (IG)	∈	
Sand (OR)			Tilled land (TL)	∈	∈
Mixed woodland (MX)			Wetland (eg bog, marsh, fen) (WL)		
Bare (BC)			Open water (OW)	✓	✓
Herbs* and vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
cliff/undercut			Sanctioned	∈	∈
cliff + toe			Reinforced - whole bank		
steep (>45°)			Reinforced - top only		
Gentle		✓	Reinforced - toe only		
none			Artificial two-stage		
			Perched		
			Enhanced		
			Set back embankment		

S TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	✓	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed fibrous roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

T CHANNEL SURVEY

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Is predominant flow sequence *(select up to three features)*: NO PERCEPTIBLE FLOW

1996 RIVER HABITAT SURVEY and IFE mods for plant genera and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7255

Mid-site grid reference of network site if different from designated location:

Grid Reference: 375494 River: North Yeo

Date 16/5/1996 Time: 10.15 a.m. Surveyor name Authorities Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 0	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of -

TALLY (use JRS) for - Riffles Pools Unveg. side bars Veg plant bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within 1 m wide transect)* ' = mid-centry only

Spot check 1 is upstream ✓ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate '	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape										
Flow type '	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RF, IG, TL, HL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	OW	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BR/ST/C	U	S	J	U	S	S	S	S	U	U
LEFT BANK FACE *(structure)* BR/ST/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BR/ST/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BR/ST/C	U	S	S	U	U	U	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION STRUCTURE *(for each transect LIST PLANT GENERA - list first 5 ...)*

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Floating-leaved (rooted)											
Free-floating											
Amphibious						✓					
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae		✓		✓			✓	✓	✓		

SITE NO.

1996 RIVER HABITAT SURVEY - DIMENSIONS AND CONFIGURATIONS Page 3 of 3

H CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	9.00	RIGHT BANK	
Bankfull height (m)	1.0	Water width (m)	6.00	Bankfull height (m)	1.0
Embanked height (m)		Water depth (m)	1.30	Embanked height (m)	

If trapezoid: lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

I CHANNEL MODIFICATION

None ☐ Number of Culverts = Fordbridges = 1 Weirs = Roadbridges = Outfalls = Other = SLUICE Fords =

Is water impounded by weir(s)? No ☑ Yes, <33% of site ☐ >33% of site ☐

J EVIDENCE OF CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

K FEATURES OF CHANNEL MARGIN

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Floats ☐

L CHOKING OF CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M PLANT SPECIES OF INTEREST *(list up to 5 species, or stands of other ...)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nestic Rhododendron bushes

N OTHER FEATURES

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: No flow - channel blocked with Hogweed, surface water - difficult to walk which was L & R bank (Arable/pasture land)

O FACTORS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 4 of 4

C LAND USE within and adjacent to the 1 km square

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	✓	✓
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

D CHANNEL AND BANKSIDE CONFIGURATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + ledge			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial revetment		
			Pitched	✓	
			Embanked		
			Set-back embankments		

E TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

F CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Boil(s)	☑	☐	☐
Glide(s)	☑	☐	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☐	☑
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO RIFFLES, BLUE FLOW

1996 RIVER HABITAT SURVEY: ... Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7256

Mid-site grid reference of network site if different from designated location:

Grid Reference: 452428 River: Decoy Rhyne

Date: 17.5.1996 Time: 11.50 am.. Surveyor name: Ian Harris Accreditation code: HF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FALLY (see BS) for - Riffles Pools Unveg side bars Veg point bars

B: PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = done every mile

Spot check 1 in: upstream ☑ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (functional) fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	SI	CL	CL	CL	CL	GP	BE	CL	SI	SI
Substrate shape										
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (functional) fence										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	SB	SB	SB

C: BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, HR, IC, TR, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/NC	U	U	B	B	B	B	B	B	U	U
LEFT BANK FACE *(structure)* BA/NC	S	S	S	S	S	B	U	S	S	S
RIGHT BANK FACE *(structure)* BA/NC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/NC	S	U	U	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	IG	IG	TL	TL	IG	IG	IG	IG	IG

D: RIPARIAN VEGETATION TYPES *(% cover)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs					✓					
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓	✓		✓			✓
Submerged broad-leaved										✓
Submerg fine/linear-leaved	✓	✓	E	E	✓	✓		✓		✓
Filamentous algae		✓	✓	✓	✓	E	E	✓	✓	✓

E NO. ...

A: RIVER CHANNEL SURVEY

A1: CHANNEL DIMENSIONS AND FLOW CHARACTERISTICS

	L	R		L	R
Bankside woodland (BL)			Rough pasture (RP)		
Arable/improved grass (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Marshland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
[redacted] (SC)			Open water (OW)		
Parks' and recreation (TR)			Suburban/urban development (SU)	✓	

	L	R		L	R
Natural/unmodified			Artificial/modified		
Resectioned			Resectioned		
Bank (>45°)			Reinforced - whole bank	✓	✓
Gentle			Reinforced - top only		
[redacted]			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankments		

A2: CHANNEL AND BANKSIDE FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/occasional	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
In-stream woody debris	☑	☐	☐

A3: CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

In predominant flow sequence *(select up to three features)*: GLIDE

A1: CHANNEL DIMENSIONS AND FLOW CHARACTERISTICS

LEFT BANK		Bankop width (m)	12.0	RIGHT BANK	
Bankop height (m)		Water width (m)	4.2	Bankop height (m)	
Embanked height (m)	2.75	Water depth (m)	0.2	Embanked height (m)	2.75

If trampling lower than bankop break in steps, indicate: height (m) = width (m) =

Bed material at site is: ... consolidated (compact) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

A4: OBSTRUCTIONS

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir(dam)? No ☑ Yes, <33% of site ☐ >33% of site ☐

A5: EVIDENCE OF RECENT CHANNEL ALTERATION

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? Specify .....

A6: FEATURES OF PARTICULAR INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (specify) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Weed stands ☐ Marsh ☐
Leaky dams ☐ Fen ☐ Flush ☐

A7: CHANNEL CHARACTERISTICS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

A8: OTHER MANAGEMENT ACTIVITIES

None ☑ Grass Mowing ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Specify Rhododendron bushes

A9: OTHER COMMENTS

Major impacts: livestock - dipping - fence - sewage - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tiling - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations: Several bays (1-1.5 ft) fish (trout) in channel

A10: ALGAE

Algae? None ☑ Present ☐ Excessive ☐ Diatomal Algae? None ☑ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fenceline — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7257

Mid-site grid reference of network site if different from designated location:

Grid Reference: 584445 River: Silent

Date: 17.5.1996 Time: 2pm Surveyor name: Ian Harris Accreditation code: PF36

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ✓ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ✓ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add 'U')
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐

IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (estimate total if necessary)

Riffles 9 — Unvegetated point bars /

Pools 0 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of

TALLY (use pencil) for: Riffles 9 | Pools | Unveg. side bars | Veg. point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel, within a 5 m wide transect) 1 = one entry only

Spot check (1 m² quadrats)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP/FACE (functional zone)										
Material	BR	BR	BD		BR	BD	EA	BR	EA	BR
Bank modifications(s)	RI	RI	RI		RI	RI	NO	RI	RS	RI
Bank feature(s)	NO	NO	NO		NO	NO	NO	NO	NO	NO
CHANNEL (functional zone)										
Channel substrate	CO	CO	CO		CO	CO	CO	CO	CO	CO
Substrate shape										
Flow type	RP	UW	RP		RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	CV	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO		NO	NO	NO	NO	NO	NO
RIGHT BANK TOP/FACE (functional zone)										
Material	BR	BR	CC		BR	EA	EA	BR	EA	EA
Bank modifications(s)	RI	RI	RI		RI	RS	NO	RI	RS	NO
Bank feature(s)	NO	NO	NO		NO	NO	EC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)

Land use: choose one from 'IG, CP, OR, SOL, SC, TH, EP, IC, TL, WL, OW, SU' .

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG		SU	SU	RP	RP	SC	SC
LEFT BANK TOP (structure within 1m) BANKSIDE	S	S	S		B	S	C	S	S	S
LEFT BANK FACE (structure) BANKSIDE	U	B	S		S	S	C	S	C	B
RIGHT BANK FACE (structure) BANKSIDE	B	B	B		S	S	S	S	C	S
RIGHT BANK TOP (structure within 1m) BANKSIDE	B	S	B		B	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU		SU	SC	IG	IG	SU	SC

G CHANNEL VEGETATION STRUCTURE (tick one box per column)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓		✓			✓		
Emerg broad-leaved herbs						✓				✓
Emerg reed/sedge/rushes					✓					✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E		E	E	E	E	E	E

SITE NO.

H BANKSIDE FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)	E	E

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓		Reinforced	✓	✓
Vertical + bare			Reinforced - toe only	E	E
Steep (>45°)			Reinforced - mid only		
Gentle			Reinforced - top only	✓	✓
Composite			Artificial pre-slop		
			Poached		
			Eroded		
			Set-back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	✓
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging trees	☐	✓	☐
Exposed tree roots	☐	✓	☐
Undercut bank exists	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

I CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	☐	☐	✓	Vegetated mid channel bar(s)	✓	☐	☐
Bed(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Chute(s)	☐	✓	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): Run Riffle

---

J CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK				RIGHT BANK
Bankop width (m)		Bankop width (m)	3.5	
Bankop height (m)	0.9	Water width (m)	2.5	Bankop height (m) 0.9
Embanked height (m)		Water depth (m)	0.3	Embanked height (m)

If trashline lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ✓ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ (tick one box)

K CHANNEL MODIFICATIONS

None ☐ Number of: Culverts = Weirs = Outfalls = 10 Ponds =
Footbridges = 18 Bridges = 1 Other =
Is water impounded by weir/dam? No ✓ Yes: <33% of site ☐ >33% of site ☐

L BANKSIDE LAND USE

None ☐ Quarrying ☐ Mining ☐ Waste tip ☐ Woodcutting ☐
Embankment ☐ Other ? _____

M BANKSIDE VEGETATION

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bag ☐ Other (state)
Bridges/culv channels ☐ Natural open water ☐ Cars ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Plastic ☐

N CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

O INVASIVE PLANTS

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mimulus Elodeoides Impatiens

P CHANNEL MANAGEMENT

Major impacts: bankfill - dipping - lined - pollution - dredged - channelised - weir - dam - canal - fall - industry - culverting - quarrying - overdeepening - afforestation - fisheries management - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: (cords of algae & degrading sewage smell @ S-stock 9:10 - Water Lilly STOs @ RHS with Duffel (Nuphar) Typically for all of these sites. Water TAN 0.2 Nitrate

Q CHANNEL MODIFICATIONS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. SURVEY DETAILS

Reference network site number: 7258

Mid-site grid reference of network site if different from designated location:

Grid Reference: 688438 River:

Date 29/5/1996 Time: 3.45 pm. Surveyor name Lothian Accreditation code PF86

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C. DOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. OTHER FEATURES, POOLS AND RIFFLES *(delete as appropriate)*

Riffles ◯ Unvegetated point bars ◯

Pools ◯ Vegetated point bars ◯

› *COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB*

E. RIVERHABITAT SURVEY SITE SKETCH

TALLY (use JIII) for - Riffles Pools Unveg. side bars Veg point bars

HYDROLOGICAL ATTRIBUTES *(for reference)* Normal Channel Width (m) Normal Channel Depth (m)

Spot check 1 m upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional feature*										
Material *(MM,BL,BO,CO,CB,BA,PC,CL,CC,SI,MP,OA,AM,AW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ZM)*	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(MP,NO,EC,SC,PB,VP,SB,VE)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *(MF,BL,BO,CO,CP,SA,SI,CL,PE,AR)*	CL	CL	SI	GP	SI	SI	SI	GP	SI	SI
Substrate shape *(FL,CV,CC,SP,CU,FO,SR, Others - note)*										
Flow type * *(FF,GN,RW,UW,CF,BP,MP,SM,RP,NO)*	SM	RP	RP	RP	SM	RP	SM	RP	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(MP,NO,BO,MB,WE,MT,TR)*	NO	NO	MB	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional feature*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *(MM,BL,BO,CO,CC,BA,PC,CL,CC,SI,MP,OA,AM,AW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ZM)*	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *(MP,NO,EC,SC,PB,VP,SB,VE)*	NO	NO	SB	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(for the assessed over a 10m wide corridor)*

Land use: choose one from: BL, CF, OR, MH, SC, IN, GP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* BA/SC	S	S	S	S	S	S	S	S	S	C
LEFT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	S	C	C	C	S	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IL	IL	IL	IL	IL	IL	IG	IG	IG	IG

G. BANKSIDE VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓		✓			✓			✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	E	✓	✓	✓	✓	E	✓	✓	✓

H. RIVERHABITAT SURVEY DIMENSIONS AND INFLUENCES

I. CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	1.75	RIGHT BANK
Banktop height (m)	0.6	Water width (m)	0.75	Banktop height (m) 0.5
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J. ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = 3 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K. RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Flood-warning ☐
Enhancement ☐ Other ? State .....

L. WATER MARGIN AND BANKTOP FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Fleet ☐

M. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N. BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O. RIVER CHANNEL MODIFICATIONS

Major impacts: bankfill - clipping - dams - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bridging - mining - quarrying - overdeepening - afforestation - fisheries management - other? = AGRICULTURE (RUNOFF)

Land Management: set-aside - buffer strip - bundhead - abandoned bund - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Land on (more or less) - occasionally subjected to sewage drain overflows (however this) Very little flow & summer apparently water stops flowing at all

P. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

I. CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	1.75	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	0.75	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J. ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = 3 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K. RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Flood-warning ☐
Enhancement ☐ Other ? State .....

L. WATER MARGIN AND BANKTOP FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Fleet ☐

M. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N. BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O. RIVER CHANNEL MODIFICATIONS

Major impacts: bankfill - clipping - dams - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bridging - mining - quarrying - overdeepening - afforestation - fisheries management - other? = AGRICULTURE (RUNOFF)

Land Management: set-aside - buffer strip - bundhead - abandoned bund - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Land on (more or less) - occasionally subjected to sewage drain overflows (however this) Very little flow & summer apparently water stops flowing at all

P. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

E NO. 7258

D. RIVERHABITAT SURVEY SITE SKETCH

SURROUNDING LAND USE (within 50m of top of bank)

	L	R		L	R
Broad/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Arable and market vegetation (TH)			Suburban/urban development (SU)		

CHANNEL

Natural/unmodified	L	R	Artificial/modified	L	R
Subvertical			Resectioned	E	E
Bank + toe			Reinforced - whole bank	✓	✓
Cliff (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Mixed			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

BANKTOP AND SURFACE FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging bought	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Channel woody debris	☐	☑	☐

WATER MARGIN AND SURFACE FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence (*select up to three features*): GLIDE RUN

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m): Slope (m/km): Flow category (1-10):
Solid geology code: Drift geology code: Planform category:
Distance from source (km): Significant tributary ?: Navigation ?:
Height of source (m): Water Quality Class:

B. FIELD SURVEY DETAILS

Reference network site number: 7259

Mid-site grid reference of network site if different from designated location:

Grid Reference: 748492 River: Mells

Date: 30/5/1996 Time: 0945 Surveyor name: Lauthorpe Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☐ (tick as appropriate)

C. PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☑ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

D. CHANNEL CONTROLS AND CONSTRAINTS

Riffles 7 Unvegetated point bars 1
Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E. RIPARIAN HABITAT SURVEY - LAND USE ON SPOT CHECKS

TALLY (use ||||) for - Riffles |||| Pools Unveg. point bars 1 Veg point bars

Spot check 1 at upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
SURROUNDING LAND USE										
Material *	BR	BR	EA	EA	BR	BR	BR	BR	BR	EA
Bank modification(s)	RI	NI	RS	RS	RI	RI	RI	RI	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	PB	NO	NO	NO
CHANNEL										
Channel substrate *	CO	CO	NV	SI	SI	NV	NV	CO	CO	CO
Substrate shape	IR	IR						IR	IR	IR
Flow type *	UW	UW	SM	SM	SM	SM	RP	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *	CA	EA	CA	CA	EA	EA	EA	EA	CA	EA
Bank modification(s)	NO	NO	RS	RS	NO	NO	RI	NO	NO	EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANKTOP AND LAND USE										
LAND USE WITHIN 5m OF BANKTOP (L)	TH	SU	SU	SC	SC	SU	SU	SC	BL	BL
LEFT BANK-TOP (structure within 1m)	S	C	C	C	C	S	S	S	C	C
LEFT BANK FACE (structure)	S	B	S	C	S	S	S	B	B	C
RIGHT BANK FACE (structure)	C	C	S	S	C	S	S	S	C	C
RIGHT BANK-TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
BANKSIDE VEGETATION										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓								
Emerg broad-leaved herbs	✓	✓	✓	✓	✓		✓			
Emerg reeds/sedges/rushes				✓	✓			✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae						✓	✓	✓	✓	✓

F. RIPARIAN HABITAT SURVEY - LAND USE ON BANKTOP

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herb / rank vegetation (TH)	✓		Suburban/urban development (SU)	E	

G. BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recectioned	✓	✓
Vertical + toe			Reinforced - whole bank	E	✓
Steep (>45°)	/	/	Reinforced - top only		
Gentle			Reinforced - toe only		✓
Composite			Artificial two-stage		
			Poached		
			Embanked		/
			Set back embankments		

H. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank):

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

I. EXTENT OF LAND USE AND FEATURES

	None	Present	E
Waterfall(s)	☐	☑	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Bank(s)	☑	☐	☐
Oxbo(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☑
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): GLIDE - RUN

J. CHANNEL DIMENSIONS (to be measured at the most typical riffle section (or glide) available within the 500m survey reach)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.4	Banktop width (m)	6.9	Banktop height (m)	1.5
Embanked height (m)		Water width (m)	4.5	Embanked height (m)	
		Water depth (m)	0.25		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

K. CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

L. EVIDENCE OF RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

M. ALTERED CHARACTER ACCORDING TO OBSERVER

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fluvh ☐

N. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

O. BANKSIDE VEGETATION - LIST DOMINANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Plastic Rhododendron bracken

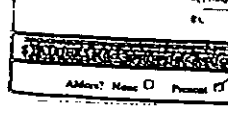
P. PHYSICAL ENHANCEMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselflies

Other significant observations:


Mill
Mill Pond
Road
Bridge
Bridge
Pond
Weir
Bridge
Pond
Bridge
Pond
Bridge
Pond

1996 RIVER HABITAT SURVEY: the methods for plant species and species list Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7260

Mid-site grid reference of network site if different from designated location:

Grid Reference: 812472 River: BODDEN BROOK

Date 30/5/1996 Time: 9 am Surveyor name Lan Harris Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	1	Unvegetated point bars	2
Pools	0	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see SH) for - Riffles 1 Pools Unveg point bars 1 Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across channel profiles at 1 m intervals)*

Spot check 1 in sequence ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10	%
LEFT BANK TICK if functional feature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	SC	NO	NO	NO	NO	EC	EC	EC	SC	
CHANNEL											
Channel substrate *	GP	GP	GP	GP	GP	GP	SI	GP	GP	GP	
Substrate shape											
Flow type *	RP	SM	RP	RP	RP	SM	SM	SM	RP	SM	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional feature	✓							✓	✓	✓	
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO	

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from HI, CF, OR, HOU, IC, IN, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TL	IG	TH	IG	SC	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	S	C	S	S	C	S	C	U	U	U
LEFT BANK FACE *(structure)*	S	S	S	S	C	S	S	B	B	U
RIGHT BANK FACE *(structure)*	S	C	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)*	S	C	S	S	S	C	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	IG	IG	IG	IG	IG	SC	IG	TH

G. PLANT SPECIES LIST *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	E	✓	✓	✓	✓	✓		✓		
Emerg reeds/sedges/rushes								✓	E	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	✓			✓					
Submerged broad leaved										
Submerg fine/linear leaved		✓			✓					
Filamentous algae	✓		✓			✓	✓	✓		✓

TE NO. 7260 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
...ciduous/mixed woodland (BL)			Rough pasture (RP)		
...niferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
...chard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
...rub (SC)	✓	✓	Open water (OW)		
...ll herbs" inc vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	

BANK PROFILES *(to be assessed over a 10m wide transect)*

Natural/unmodified	L	R	Artificial/modified	L	R
...dcliff/undercut	E	E	Revetmented		
...fall + toe			Reinforced - whole bank	✓	
...ep (>45°)	✓	✓	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
...posite			Artificial non-engineered		
			Pitched		
			Embanked		
			Set-back embankment		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

...ate predominant flow sequence (*select up to three features*): RUN - GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND OBSERVATIONS Page 4 of 4

I. CHANNEL DIMENSIONS *(to be assessed over a 50m wide transect)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	1.25	Banktop width (m)	
Banktop height (m)	0.4	Water width (m)	1.25	Banktop height (m)	0.3
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trampling lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J. MODIFICATIONS

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

K. RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

L. FEATURES OF POTENTIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

M. CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N. OBVIOUS ALIEN PLANTS *(tick one box)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

O. LAND USE AND MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

P. ALDERS

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with IFE mods for plant genera and fencing) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7262

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Till

Date 14/5/1996 Time: 11.15 Surveyor name JR Accreditation code. PF43

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ✓ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ✓ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(maximum value 9 each)*

Riffles	1	Unvegetated point bars	1
Pools	1	Vegetated point bars	1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY IN SCOTLAND Page 2 of 4

TALLY (use 1/5/F) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel profiles, 4 m wide transects)* one side only

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	GAP	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional fence										
Channel substrate	SI	SI	CL	CL	CL	CL	CL	GP	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	RP	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	NV	NV	EA	EA	SI	EA	SI	EA	SI	SI
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: IE, CF, OR, AH, SC, TH, RP, AC, IL, ML, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SG	SG
LEFT BANK-TOP *(structure within 1m)* S/U/S/C	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* S/U/S/C	U	U	U	U	S	U	U	U	U	U
RIGHT BANK FACE *(structure)* S/U/S/C	U	U	U	U	S	S	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* S/U/S/C	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SU	SU	SU	SU	SG	SG	SG	SG	SG

G PLANT SPECIES LIST *(list first 5 plant genera in each category)*

NONE / PLANT GENERA (list first 5)										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓		✓	
Emerg broad-leaved herbs	E	E	E	E	E	E	E	E	E	E
Emerg reeds/sedges/rushes				✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓	✓	✓	✓	✓	✓	✓	E	E	E
Submerged broad-leaved										
Submerg fine/linear leaved				✓	✓		✓		✓	E
Filamentous algae			✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 7262 RIVER HABITAT SURVEY Page 3 of 4

H CHANNEL MODIFICATIONS AND DEPOSITION

	L	R		L	R
Bridge/Culvert (BI)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and equivalent (TH)			Suburban/urban development (SD)	SU	E

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		✓
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	✓
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging bushes	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

J CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): Cl.L

SITE NO. 7262 RIVER HABITAT SURVEY Page 4 of 4

K CHANNEL DIMENSIONS AND FLOW

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.3	Banktop width (m)	4.0	Banktop height (m)
Embanked height (m)		Water width (m)	3.5	Embanked height (m)
		Water depth (m)	1.0	

If trashline lower than banktop level in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

L CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 4 Bridges = Other =

Is water impounded by weirdam? No ✓ Yes: <33% of site ☐ >33% of site ☐

M CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

N FEATURES OF PARTICULAR INTEREST

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Pools ☐

O OVERHANGING VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☐ YES ✓

P INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Name) Rhododendron bushes

Q ENVIRONMENTAL CONDITIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - weir - soil dustbowl - farming - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: [illegible] and dies up ... Juncus Glaucus ... [illegible] ... CA ... [illegible] ... Sec... [illegible]

R ENVIRONMENTAL CONDITIONS

Algae? None ✓ Present ☐ Extensive ☐ Diatomal Algae? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for Plant Species and Species Pool Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7274

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Eden Brook

Date: 16/5/1996 Time: 15.40 Surveyor name: JJL Accreditation code:

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

C HUMAN IMPACTS, POOLS AND CONTROLS

Riffles | Unvegetated point bars —

Pools — Vegetated point bars —

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITHIN SPOT CHECKS Sheet 2 of 4

TALLY (no. per) for - Riffles | Pools | Unveg. side bars | Veg point bars

D PHYSICAL ATTRIBUTES

Spot check (✓)	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	CL	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RE	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	√O	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CL	CL	CL	CL	GP	BR	AC	AR	C	BA
Substrate shape	NA	NA	NA	NA	RE	NA		NO		
Flow type	NP	SM	SM		GP	SM				
Channel modification(s)	RS	RS	RS	RS	RS				RS	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO		
RIGHT BANK										
Material	BR	CL	EA	EA	EA	BR		EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	RE	RE		NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO				

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use, choose one from: IE, OF, OR, WH, SC, TH, RP, IG, IL, WL, OW, TO

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SE	IG	IG	SC	IG	SC	SC	IG	
LEFT BANK-TOP *(structure within 5m)* source	U	U	U	U	U	S	U			
LEFT BANK FACE *(structure)* source	S	S	S	S	U	U	U			
RIGHT BANK FACE *(structure)* source	S	U	S	S	U	U	S	U	U	S
RIGHT BANK-TOP *(structure within 5m)* source	U	U	S	S	U	U	S	U		U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	SG		IG	IG			

G PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓		✓	✓			✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae	✓	✓	F	✓	F	✓				

1996 RIVER HABITAT SURVEY DIMENSIONS AND OBJECTS Sheet 3 of 4

SITE NO. 7274

H CHANNEL DIMENSIONS

LEFT BANK		Bankfop width (m)	4.2	RIGHT BANK	
Bankfop height (m)	0.5	Water width (m)	4.0	Bankfop height (m)	0.5
Embanked height (m)		Water depth (m)	0.45	Embanked height (m)	

If trapezium lower than bankfop level in shape, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (rock) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I HUMAN INFLUENCE

None ☐	Number of Culverts =	Weirs =	Outfalls =	Fords =		
	Footbridges =	Roadbridges =	Other =			
Is water impounded by weirs/dams?	No ☐	Yes, <33% of site ☐	>33% of site ☐			

None ☑	Dredging ☐	Straightening ☐	Weed cutting ☐		
	Enhancement ☐	Other ? State			

J CHANNEL MANAGEMENT

None ☑					
Weirs/fish > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)		
Bridges/side channels ☐	Natural open water ☐	Carr ☐			
Debris dams ☐	Water meadow ☐	Marsh ☐			
Leafy debris ☐	Fen ☐	Flush ☐			

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Notes ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Hardy Rhododendron bushes

Major impacts: landfill - tipping - mine - quarry - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overgrowing - afforestation - fisheries management - other? =

Land Management: set aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud worms - heron - dragonflies/damselflies

Other significant observations: Two ponds on bank and one on other side of road. Ponds have fish in. Ponds are overgrown with vegetation.

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY CHANNEL SURVEY Sheet 4 of 4

SITE NO. 7274

K CHANNEL SURVEY

	L	R		L	R
Trees/Shrubs/Woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Urban (IU)		✓	Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SD)		

Natural/Unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Shelf or bar			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Vegetated			Artificial two-stage		
			Poached		
			Eroded		
			Set back embankments	E	

L TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Chute(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Poach(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Iconic predominant flow sequence (select up to three features): Run Glide

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7286

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS491390 River: Cann

Date 7/5/1996 Time: 11:00 Surveyor name MC(Ines) Accreditation code P 6 1955

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D SUBSTRATE, POOLS AND POINT BARS *(instance counts)*

Riffles 14 Unvegetated point bars SA 3

Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1998 RIVER HABITAT SURVEY: EXTENSION (1 OF 2)

TALLY (use JIII) for - Riffles JH JH I Pools Unveg. side bars III Veg point bars I

PHYSICAL ATTRIBUTES *(to be assessed across channel, looking downstream)*

Spot check 1 ☑ upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES *(looking downstream)*										
Material *(BE,BO,CO,CE,LA,PC,CL,CC,SI,SP,GA,BR,SH,OT)*	SA	VA	SA	SA	SA	DA	SC	BR	SA	SA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VT,SB,VS)*	NO	NO	NO	NO	NO	PB	PB	NO	NO	PB
CHANNEL ATTRIBUTES *(looking downstream)*										
Channel substrate *(BE,BO,CO,CP,SA,SI,CL,PE,AR)*	CL	SC	SC	CO	NV	CO	SP	BL	CL	NV
Substrate shape *(FL,CV,CI,SP,CU,NO,SI, Others - note)*	FL	FL	FL	IR	NV	IR	FL	FL	FL	NV
Flow type * *(FF,CH,BW,UW,CF,SP,UP,SM,WF,NO)*	UW	SP	SP	UW	SP	UW	NP	SP	RI*	SP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,WB,MI,IS)*	NV	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES *(looking downstream)*										
Material *(BE,BO,CO,CE,LA,PC,CL,CC,SI,SP,GA,BR,SH,OT)*	GA	SA	SA	SA	NV	NV	VA	SA		SC
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VT,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANK TOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed across the whole channel)*

Land use: choose one from BL, CP, OR, AH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	SC	SC	SC	SC	RP	RP	TH	TH	SC	SC
LEFT BANK-TOP *(structure within 1m)* BM/SC	S	S	S	S	S	S	U	S	S	S
LEFT BANK FACE *(structure)* BM/SC	S	S			S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BM/SC	S	S	S		S	S	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* BM/SC	C	C	S		S	C	S	S		S
LAND USE WITHIN 5m OF BANK TOP (R)	CP	BL	SC		SC	BL	BL	BL	SC	SC
CHANNEL VEGETATION TYPES *(instance counts)*										
NONE / PLANT GENERA - list first 5					✓					
Bryophytes/lichens		✓	✓	✓					✓	✓
Emerg broad-leaved herbs		✓	✓	✓						✓
Emerg reed/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved					✓					
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓		✓	✓	✓	✓	✓

SITE NO. 7286 — 1998 RIVER HABITAT SURVEY: EXTENSION (2 OF 2)

SURROUNDING LAND USE *(within 50m of top of bank)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* and vegetation (TH)	✓		Suburban/urban development (SU)		

BANK TOP LAND USE

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - toe only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Profiled		
			Embanked		
			Set-back embankments		

TREES *(tick one box per bank)* & ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

	None	Present	E (≥33%)
Sliding of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed unstable roots	☐	☑	☐
Undercutting of banks	☐	☑	☐
Fallen trees	☐	☑	☐

WATER MARGIN VEGETATION

	None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☐	☑	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1998 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A CHANNEL DIMENSIONS *(to be measured at the most typical riffle cross-section, perpendicular to flow)*

LEFT BANK		Bankop width (m)	6.0	RIGHT BANK
Bankop height (m)	0.7	Water width (m)	4.5	Bankop height (m) 0.75
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B CHANNEL FEATURES *(select up to 3)*

None ☐ Number of: Culverts = Weirs = Outfalls = Pools =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

C ENGINEERING *(select up to 3)*

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State:

D ADJACENT FEATURES *(select up to 3)*

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Bridges/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

E CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F ADJACENT INVASIVE PLANTS *(select up to 3)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (list) Rhododendron bushes

G RIVER MANAGEMENT *(select up to 3)*

Major impacts: bankfill - dipping - flats - groyne - pollution - dyewash - obstruction - mill - ford - pool - culvert - bunding - sinking - quarrying - overdeepening - siltation/silt - flood/spate management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud swirls - heron - dragonflies/damselflies

Other significant observations: Deeply wooded stream with many fallen trees and branches in channel. Flow is slow. Some rubbish from riverside gardens

H VALLEY FEATURES *(select up to 3)*

Aldrn? None ☐ Present ☑ Extensive ☐ Diseased Aldrn? None ☑ Present ☐ Extensive ☐

BACKGROUND/MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7267

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 510361 River: Knoll Water

Date 7/5/1996 Time: 15:30 Surveyor name NN/MS Accreditation code RH61/RH62

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (unless dominant)

Riffles 2 / Unvegetated point bars 3

Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (see BS) for - Riffles 111 Uveg. right bank || Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across 10 equidistant transects)

Spot check 1 is: upstream ☑ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional trees										
Material * WE,BO,CO,CB,EA,PC,CL,CC,SF,WF,CA,SA,BR,W	CA	EA	EA	EA	EA	EA	EA	BR	BE	EA
Bank modification(s) NE,NO,RS,RI,PC,AM,EM	NO	NO	NO	RS	NO	NO	NO	NO	NO	NO
Bank feature(s) WF,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	SC	SC	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * WF,BE,BO,CO,GF,SA,D,CL,PE,AR	GP	GP	GP	BE	SA	GP	BE	BE	GP	GP
Substrate shape FL,OV,CL,IF,CU,FO,IR, Others - note	FL	FL	FL	VV	NA	FL	IR	IR	FL	FL
Flow type * FF,CH,BW,UW,CF,SF,UF,SW,WF,NO	SW	RP	RP	RP	RP	RP	RP	BW	RP	SW
Channel modification(s) NE,NO,CV,RS,RI,DA,EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) WF,NO,BO,MB,VB,WI,OB	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional trees	✓	✓	✓	✓						
Material * WE,BO,CO,CB,EA,PC,CL,CC,SF,WF,CA,SA,BR,W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,AM,EM	NO	NO	NO	RS	NO	NO	NO	NO	NO	NO
Bank feature(s) WF,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	SC	PB	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m site length)

Land use: choose one from BL, CP, OR, MH, SC, IN, RF, IG, FL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	FL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* BA/SC	C	C	C	C	S	C	C	C	C	C
LEFT BANK FACE *(structure)* BA/SC	S	S	S	B	B	S	S	S	S	C
RIGHT BANK FACE *(structure)* BA/SC	C	S	S	B	S		S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	S	S	S	C	S	C	S	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	FL	IG	BL	IG	IG	IG	IG	IG	FL

G. CHANNEL VEGETATION CLASSES (% cover)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens Moderate							✓	✓	✓	✓	✓
Emerg broad-leaved herbs Watercress	✓	✓				✓					✓
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae			✓	E	✓	✓	✓	✓	✓	✓	✓

H. SUBSTRATE/FEATURES (% cover)

	L	R		L	R
Bedrock/unmodified (BL)	E	✓	Rough pasture (RP)		
Coarse vegetation (CV)			Improved/semi-improved grass (IG)		E
Gravel (GR)			Tilled land (TL)		
Sand/Silt (SA)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

I. BANK DESIGN

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetment	✓	✓
45° < x < 90°			Reinforced - whole bank		
30° < x < 45°	E	E	Reinforced - top only		
x < 30°			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

J. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal dead-water	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☑	☐
Boil(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: 1. Rif 2. Run

L. CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	4.70	RIGHT BANK	
Bankfull height (m)	1.00	Water width (m)	4.00	Bankfull height (m)	0.10
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ☑ Roadbridges = Other = 1
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. MAN-MADE CHANNEL MODIFICATIONS

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State

O. FEATURES OF CONSERVATION INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. INVASIVE NON-NATIVE SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL HABITAT QUALITY

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - canal - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =
Section river between check 5 & 6 has been diverted into artificial channel.
Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Diverted river [illegible] artificial section to allow spoil [illegible] old (est. [illegible]) [illegible] a 2m [illegible] [illegible] [illegible]

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Pfaffenn category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

RIVER SURVEY DETAILS

Reference network site number: 7188

Mid-site grid reference of network site if different from designated location:

Grid Reference: River:

Date 20/6/1996 Time: 15:20 Surveyor name: [illegible] Accreditation code: PF664

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ☑ (tick as appropriate)

CHANNEL AND VALLEY FORM (cont)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add 'U')
☑ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

CHANNEL DIMENSIONS (cont)

Riffles 19 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CONTINUOUS RECORDS

TALLY (one [illegible]) for - Riffles [illegible] Pools [illegible] (Using: side bars / Vee sweep bar)

Spot check 1 in: systematic ☑ Approximate ☐

	1	2	3	4	5	6	7	8	9	10
TYPE OF BANK MATERIAL										
Material [illegible]	CL	CO	CA	CA	CL	CA	CA	BS	CA	CL
Bank modification(s) [illegible]	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) [illegible]	NO	NO	NO	NO	NO	SS	SS	NA	SS	NO
CHANNEL SUBSTRATE AND FLOW TYPE										
Channel substrate [illegible]	CO	CO	BL	BL	GR	GR	GR	SC	GR	GR
Substrate change [illegible]	PO	PO	FL	IR	CU	PO	PO	IR	PO	PO
Flow type [illegible]	UW	RP	RP	RP	UW	UW	BW	UW	UW	RP
Channel modification(s) [illegible]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) [illegible]	NO	RO	NO	RO	MI	MI	RO	RO	NO	NO
BANK AND BANKSIDE VEGETATION										
Material [illegible]	CL	GR	SA	GR	CL	CO	SA	SA	SA	CL
Bank modification(s) [illegible]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) [illegible]	NA	NA	NA	NO	NO	NO	NO	NO	NO	NO
LAND USE AND BANKSIDE VEGETATION										
Land use: choose one from [illegible]										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	SL	SL	SL	BL	SL	TA
LEFT BANK-TOP (structure within 1m) [illegible]	S	S	S	C	C	S	S	C	S	S
LEFT BANK FACE (structure) [illegible]	S	B	C	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) [illegible]	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) [illegible]	C	C	S	S	S	S	C	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SL	W	BL	SL	BL	BL	BL	BL	BL	TH
BANKSIDE AND INCHANNEL VEGETATION										
NONE / PLANT GENERA - Est first 5	✓	✓	✓	✓	✓					
Bryophytes/lichens										
Emerg broad-leaved herbs						✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7188

BANK PHYSICAL ATTRIBUTES

	L	R		L	R
Broadleaved/mixed woodland (BL)	☑	☑	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	☑	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MOR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SD)		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Slump (>45°)	☑	☑	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial terraces		
			Poached	✓	
			Embanked		
			Set-back embankments		

RIVER CHANNEL SURVEY

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Current-swept debris	☐	☑	☐

	None	Present	E (≥ 33%)
Waterfalls(s)	☑	☐	☐
Cascades(s)	☐	☑	☐
Rapid(s)	☐	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☑	☐	☐
Bay(s)	☐	☑	☐
Glide(s)	☑	☐	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Makers island(s)	☐	☑	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): Current - Run

RIVER HABITAT SURVEY: CONTINUOUS RECORDS

LEFT BANK			RIGHT BANK
Banktop height (m)	0.7	Banktop width (m) 2.20	Banktop height (m) 0.4
Embanked height (m)	✓	Water depth (m) 1.30	Embanked height (m) ✓
		Water depth (m) 0.05	

Bed material: [illegible] Exposed (bottom) ☐ Sediment (bottom) ☐

Location of measurement: [illegible] Left ☑ Middle ☐ Right ☐ (tick one box)

BANKSIDE FEATURES

Number of: Culverts = Weirs = 0 Outfalls = 0 Pools = 0
Footbridges = 0 Roadbridges = 0 Others = 0
Is water impounded by weir/dam? No ☐ Yes, ≤ 33% of site ☐ > 33% of site ☐

Name ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

Name ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Name ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

Land Management: [illegible]

Animals: [illegible]

Other significant observations: [illegible]

Aliens? None ☐ Present ☑ Extensive ☐ Diseased Aliens? None ☑ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

FIELD SURVEY DETAILS

Reference network site number: 7289

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 786345 River: Sheddon Water

Date 21/5/1996 Time: 10:30 Surveyor name MG/NN Accreditation code 1164/1765

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SUMMARY COUNTS OF FOUND FEATURES (entered at end of survey)

Riffles 17 Unvegetated point bars 5

Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use slash) for - Riffles ||| |||| |||| Pools |||| Unveg side bars |||| Veg point bars

A PHYSICAL ATTRIBUTES (to be assessed across channel width at each transect)

Spot check 1 in: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK (functional zone)										
Material *	CA	EA	BR	BE	GS	BR	CA	GS	BR	CL
Bank modifications(s)	NO	NO	RI	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SB	NO	NO	NO
CHANNEL										
Channel substrate *	CO	CO	GP	CO	CO	GP	CO	GP	RO	CO
Substrate shape	FL	OV	FL	FL	RP	FL	FL	FL	FL	FL
Flow type *	RP	UW	UW	RP	UW	UW	RP	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RS	NO	NO	NO	NO	NO	RO	
RIGHT BANK - STICK (functional zone)										
Material *	CL	GS	GS				SS	CL	GS	GS
Bank modification(s)	NO	NO	NO				NO	NO	NO	NO
Bank feature(s)	CL	NO	NO			NO	CL	EC	NO	NO

B BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m zone (stick))

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	BL	RP	RP	RP
LEFT BANK-TOP (structure within 1m) MUSIC	U	S	C	U		S	U	S	S	S
LEFT BANK FACE (structure) MUSIC	S	C	S	S	S	S	U	S	S	C
RIGHT BANK FACE (structure) MUSIC	U	S	S			S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) MUSIC	S	S	S	S	S	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	UR	RP	RP	RP	RP

C LAND VEGETATION TYPES (within 5m x 10m zone)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	FM	✓	✓	✓	✓	✓	✓	✓	E	✓	✓
Emerg broad-leaved herbs	Rumex			✓							
Emerg reeds/sedges/rushes	Juncus	✓	✓	✓				✓	✓	✓	✓
Floating-leaved (rooted)	Pot.	✓						✓		✓	
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved			✓	✓				✓	✓		
Filamentous algae	Eud	F		✓	F		F	✓	F	F	F

TE NO. 7289

D RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

1 CHANNEL DIMENSIONS (to be measured at a representative section of channel)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.60	Banktop width (m)	4.2	
Embanked height (m)		Water width (m)	4.2	Banktop height (m) 0.60
		Water depth (m)	0.15	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

2 SECTION SKETCH

Name ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

3 CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

4 FEATURES OF CHANNEL BOUNDARY

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☑
Leafy debris ☐ Pan ☐ Flush ☐

5 CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

6 ADJACENT HABITAT FEATURES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

7 HABITAT IMPACTS

Major impacts: landfill - dipping - litter - pumping - pollution - drought - obstruction - mill - dam - road - rail - industry - bunding - sinking - quarrying - recreation/sport - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: [illegible]

E RIVER CHANNEL SURVEY

1 TREES (tick one box per bank)

	Left	Right
None	☐	☑
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

2 ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

3 CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): R/Rf - Run

4 BANK EROSION

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A. BACKGROUND MAP/BASIN INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7290

Mid-size grid reference of network site if different from designated location:

Grid Reference: SS 864316 River: Exe

Date 8/5/1996 Time: 14:30 Surveyor name: AN JMC Accreditation code: FF64/65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM AND SURROUNDINGS

☐ shallow v-shape ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep v-shape ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. SUBSTRATE/FEATURES AND FLOW TYPES

Riffles 17 Unvegetated point bars Abu

Pools None Vegetated point bars Abu

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
I. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use BS) for - Riffles IIII IIII IIII II Pools Un-veg. side bars Veg point bars

A. PHYSICAL ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - SPOT CHECK										
Material *	SA	SA	SA	SA	AN	SBO	CO	CO	SA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - SPOT CHECK										
Channel substrate *	CO	GP	BO	CO	CO	GP	CO	CO	CO	CO
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type *	RI	SM	RP	SW	RI	RV	WA	RP	RI	SW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - SPOT CHECK										
Material *	SA	SA	SA	SA	SA	SBO	SA	SA	SA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B. ADJACENT LAND USE AND VEGETATION STRUCTURE

Land use: choose one from: BL, CF, OR, MH, SC, IN, RP, HG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SC	RP	RP	SC	SC	IN	RP	SC	SC
LEFT BANK-TOP *(structure within 1m)* BA/SC	U	U	S	-	U	C	U	-	-	C
LEFT BANK FACE *(structure)* BA/SC	-	U	S	S	-	S	-	S	-	C
RIGHT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	S	-	-
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U	S	S	S	C	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IN	BL	SC	SC	BL	BL	BL	RP	BL

C. CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens			✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs Phragmites, Glyceria					✓		✓		✓	✓
Emerg reeds/sedges/rushes									✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae		✓	✓	✓	✓					✓

SITE NO. 7290 1996 RIVER HABITAT SURVEY: 50 CONTROL

A. LAND USE WITHIN 50m OF CONTROL

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)	✓	
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

B. CHANNEL TYPE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + bay			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial low-flow channel		
			Pooled		
			Embanked		
			Set-back embankment		

C. BANK PROFILE AND SPECIAL FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES - tick one box per feature

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging branches	☐	☑	☐
Exposed bankside roots	☐	☐	☐
Undercut tree roots	☐	☐	☐
Fallen trees	☐	☐	☐
Channel-wrecking debris	☐	☐	☐

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☑	☐	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run - Rapid - Riffle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.75	Banktop width (m)	7.5	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	7.5	*Embanked height (m)*	
		Water depth (m)	0.25		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirdams? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. MANAGEMENT OF CHANNEL AND BANKSIDE

None ☑ Dredging ☐ Mowing ☐ Grazing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D. FEATURES OF CONSERVATION INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E. CHANNEL FLORA

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? *Rhododendron ponticum*

G. OVERALL RIVER AESTHETICS

Major impacts: landfill - dipping - litter - sewage - pollution - dystrophy - obstruction - infill - dam - canal - mill industry - farming - mining - quarrying - overdeepening - siltation - fisheries management - tilting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher (dipper) grey wagtail - mud martin (heron) dragonflies/damselflies

Other significant observations: Willow on LB. Bushes also on LB.
Pasture fields cattled on LB narrow RHS each side.

H. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number: 7294

Mid-site grid reference of network site if different from declared location:

Grid Reference: River:

Date 26/1/1996 Time: 15:25 Surveyor name: ... Accreditation code: PFC47

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☐ channel ✓ (tick as appropriate)

PREDOMINANT VALLEY FORM (see back for definitions)

☐ shallow vee
✓ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE : VALLEY FORM NOTES:

CHANNEL DIMENSIONS AND VEGETATION

Riffles ✓ Unvegetated point bars —
Pools ✓ Vegetated point bars —

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
PERSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

HABITAT SURVEY AND DIMENSIONS

TALLY (use ||||) for - Riffles ||| Pools: Unveg. side bars Veg point bars

UPSTREAM CATCHMENT

Spot check 1 in: upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material *	BA	GL	BA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	EC	NO	NO	NO	NO

CHANNEL

Channel substrate *	GP	CO	GP	CO	CO	SI	CO	CO	GP	GP
Substrate shape	TR	NU	SL		SL	NU	CO	NA	FL	CU
Flow type *	RP	RP	GP	UN			GU	FP		GU
Channel modification(s)	NO	NO			NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO								

RIGHT BANK

Material *	BA				GP	SI	CO	BA	BA	BA
Bank modification(s)	NA				NO	NO	NO	NO		
Bank feature(s)	NO	NA			NO					

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from OL, CP, OS, HR, RC, TR, IF, IG, FL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	OL	CU	SU	TG		IG	TR	TG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	U	U	U	U	U		U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S			S	S	S
RIGHT BANK FACE (structure)	U	S		S	S	S	S	S	S	
RIGHT BANK-TOP (structure within 1m)	B	U	U	B	S	U	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TL	TM	OL	TM	IF	OL	TR	IG	IG

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓					✓	✓		✓	
Emerg broad-leaved herbs			✓		✓	✓	✓	✓		
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓			✓		✓	✓		
Submerged broad-leaved										
Submerg fine/dissec-leaved										
Filamentous algae	✓	✓	✓	✓		✓	✓	✓	✓	

BANK AND SIDE CHANNEL MODIFICATIONS

	L	R
Broadleaf/mixed woodland (BL)	✓	✓
Coniferous plantation (CP)		
Scrub (SC)		
Tall herbs / rank vegetation (TH)	✓	✓

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	E
Tilled land (TL)		✓
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SD)	✓	✓

Unmodified	L	R
Vertical/undercut	✓	✓
Vertical + toe		
Sloping (<45°)	E	E
Gentle		✓
Composite		

	L	R
Artificial/modified		
Resectioned		
Reinforced - whole bank	✓	✓
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Fenced		✓
Embanked		
Set-back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Lodged/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

	None	Present	E
Riverbank(s)	✓	☐	☐
Meander(s)	☐	✓	☐
Pool(s)	☐	✓	☐
Riffle(s)	☐	✓	☐
Run(s)	☐	✓	☐
Rapid(s)	✓	☐	☐
Bar(s)	✓	☐	☐
Side(s)	☐	✓	☐
Step(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	✓	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Meander island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): Run, Riffle

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	1.5	Bankop width (m)	3.5	Bankop height (m)	1.5
Embanked height (m)	—	Water width (m)	1.25	Embanked height (m)	—
		Water depth (m)	0.2		

If modified lower than bankop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ (tick one box)

ARTIFICIAL STRUCTURES

None ☐ Number of: Culverts = Weirs = 2 Outfalls = Ponds =
Footbridges = 1 Roadbridges = Other = 2
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

MAINTENANCE

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

CHANNEL CONTROLS

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Bridges/ford channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Weir meadow ☐ Marsh ☐
Leafy debris ☐ Pen ☐ Flush ☐

CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

SOUTH OF ENGLAND RIVER CONDITION SURVEY

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Rhododendron bushes

OTHER OBSERVATIONS

Major impacts: landfill - dipping - fence - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - siltation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonfly/damselfly

Other significant observations:
Some signs of bank erosion on site and upstream.
Property Claims Pond to SW.

ALDER

Alder? None ☐ Present ✓ Extensive ☐ Diseased Alder? None ✓ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1:10)
Planform category
Navigation ?

Reference network site number: 7298

Mid-site grid reference of network site if different from designated location:

Grid Reference: 675382 River: ALHAM

Date 29/5/1996 Time: 2.15 pm. Surveyor name Griffiths Accreditation code PF36

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

☐ shallow vee
☐ deep vee
☐ gorge
☑ concave/bowl (If U-shaped glacial valley - add "U")
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

Riffles 18
Pools 0
Unvegetated point bars 5
Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use 5BI) for - Riffles IIII IIII IIII IIII Pools IIII Unveg. bank bars IIII Veg. point bars

Spot check 1 at: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	BR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	SC	SC	NO	NO	SC	SC	NO	EC	NO	EC
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	UW	UW	SM	UW	UW	RP	RP	SM	UW	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	MB
Material	EA	EA	EA	EA	EA	EA	BR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	EC	SC	NO	SC	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	B	S	C	S
LEFT BANK FACE (structure)	S	C	C	S	S	C	B	S	S	S
RIGHT BANK FACE (structure)	S	S	C	S	S	C	B	S	S	S
RIGHT BANK-TOP (structure within 1m)	C	S	S	S	C	S	B	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	TH	RP	TH	TH	TH

NONE / PLANT OBNOXA - list first 5	✓				✓		✓		✓	
Bryophytes/lichens										
Emerg broad-leaved herbs		✓				✓				
Emerg reeds/sedges/rushes			✓	✓			✓		✓	
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 7298

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* marl vegetation (TH)	✓	E	Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☐	☑
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☐	☑	☐	Meanders inbend(s)	☐	☑	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): RIFFLE - RUN - GLIDE

LEFT BANK			RIGHT BANK
Bankop height (m)	1.5	Bankop width (m)	4.00
Embanked height (m)		Water width (m)	3.25
		Water depth (m)	0.1
			Bankop height (m) 1.5
			Embanked height (m)

If unstable: lower than bankop break in slope, indicate: height (m) = 1.0 width (m) = 3.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

None ☐ Number of Culverts = Footbridges = 0 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir(s)? No ☑ Yes, <33% of site ☐ >33% of site ☐

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

None ☐
Waterfalls > 5m high ☐
Braided/side channels ☐
Debris dams ☑
Leafy debris ☐
Artificial open water ☐
Natural open water ☐
Water meadow ☐
Fen ☐
Bog ☐
Carr ☐
Marsh ☐
Flush ☐
Other (state)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

Major impacts: landfill - dipping - flood - outwrop - gulleting - dyewight - abstraction - mill - dam - road - rail dualcarry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron (dragonflies/damselflies)

Other significant observations: Alkali cliffed banks many meandering stream

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7302

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 092332 River: WYLE

Date: 4/7/1996 Time: 16:00 Surveyor name: N. CRIEVE Accreditation code: PE 12

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☒ right bank ☐ channel ☐ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

- ☒ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 2 | Unvegetated point bars

Pools 1 | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

Tally (use 'flicks') for: Riffles | Pools | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES (to be assessed across channel within 5m wide transect) (one entry only)

Spot check No. (upstream ☒ downstream ☐)	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick one box)										
Material (MM,BE,BO,CO,CB,EA,PE,CL,CC,SP,MP,GA,OM,BR,AR)	EA	EA	EA	EA	EA	EA	EA	SP	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS	RS	RS	RS	RI	RS	RS
Bank feature(s) (NV,NO,LC,SC,PB,VP,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (tick one box)										
Channel substrate (MM,BE,BO,CO,GP,SA,SI,CL,PE,AR)	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP+CO
Substrate shape (FL,CV,CL,SP,CU,PO,BL,Others - note)	PO	PO	PO	IR	PO	FL	PO	IR	PO	PO
Flow type (FF,CH,BW,UW,CF,SF,UP,SU,NF,NO)	SM	RP	SM	SM	SM	SM	SM	SM	RP	SM (LAM)
Channel modification(s) (NE,NO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NV,NO,RO,MB,VB,MI,TR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional feature										
Material (MM,BE,BO,CO,CB,EA,PE,CL,CC,SP,MP,GA,OM,BR,AR)	EA	EA	EA	SX	EA	EA	EA	SP	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	NO	NO	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s) (NV,NO,LC,SC,PB,VP,SB,VS)	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	IG	IG	SU	SC	BL
LEFT BANK-TOP (structure within 1m) BU/US/C	S	U	U	U	U	U	U	B	S	S
LEFT BANK FACE (structure) BU/US/C	S	S	S	S	U	U	S	B	S	S
RIGHT BANK FACE (structure) BU/US/C	C	C	S	S	S	S	C	B	C	S
RIGHT BANK-TOP (structure within 1m) BU/US/C	C	S	S	S	S	S	S	B	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	SC	SC	SC	SC	SC	SU	B	SC

C. PLANT SPECIES (NOMENCLATURE) (to be recorded over 5m (5 stems) wide transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs Ranunculus Epilobium					✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes Typha Phalaris Glyceria Carex	✓	✓	✓	✓	✓	✓	✓		✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious Myriophyllum	✓	✓	✓	✓	✓	✓	✓		✓	✓
Submerged broad leaved										
Submerg fine/linear leaved Ranunculus Myriophyllum	✓	✓							✓	✓
Filamentous algae					✓	✓		✓		✓

SITE NO. 7302 1996 RIVER HABITAT SURVEY: SPOT CHECKS

LAND USE WITHIN 50m OF BANKTOP (% to nearest 5%)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs/ rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	

BANKTOP/LAND USE FEATURES (tick one box per bank)

	L	R		L	R
Natural/unmodified	✓	✓	Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	E	
Gabion + toe			Reinforced - whole bank	✓	✓
Cliff (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Terrace			Artificial two-stage		
			Parkland	✓	
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) / ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E (≥33%)
None	☐	☐	Shading of channel	☐	☒	☐
Isolated/scattered	☐	☐	Overhanging boughs	☐	☒	☐
Regularly spaced, single	☒	☐	Exposed bankside roots	☒	☐	☐
Occasional clumps	☐	☐	Underwater tree roots	☐	☒	☐
Semi-continuous	☐	☒	Fallen trees	☒	☐	☐
Continuous	☐	☐	Coarse woody debris	☒	☐	☐

IN-CHANNEL FEATURES (% to nearest 5%)

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bank(s)	☐	☒	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

The predominant flow sequence (select up to three features): GLIDE.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS (to be measured at bankfull level in a straight section of channel)

LEFT BANK				RIGHT BANK	
Bankfull height (m)	1.3	Bankfull width (m)	14.0	Bankfull height (m)	1.0
Embanked height (m)		Water width (m)	11.5	Embanked height (m)	
		Water depth (m)	0.4		

If floodplain lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ (tick one box)

ARTIFICIAL FEATURES (record all that apply)

None ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT (record all that apply)

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☒
Embankment ☐ Other? State: Bank mowing for fishing

CHANNEL MANAGEMENT (record all that apply)

None ☒
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

NOTABLE PLANTS (record all that apply)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (state): Rhododendron bracken

OTHER OBSERVATIONS (record all that apply)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - canal - mill-leat/carry - boating - mining - quarrying - overdeepening - afforestation - fisheries management - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonfly/damselflies

Other significant observations: River has been dredged in part (GP spoil in LHB i.e. RS) Calopteryx splendens

ALDERS (record all that apply)

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: the UK Guide for plant genera and freeing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 130

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Wey South

Date 16/5/1996 Time: 10.44 Surveyor name JJC Accreditation code. 7447

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☒ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if not present)*

Riffles 8 — Unvegetated point bars 1

Pools 0 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: OPEN SPOT CHECKS — Page 2 of 4

TALLY (use 'dd') for - Riffles IIII - III Pools Using side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for assessed channel within 1 m wide transect)*

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
EROSION OR DEPOSITION										
Material *	FA	FA	GL	FA	FA	GA	FA	FA	FA	FA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	.	NO	SC	RC	NO	EC	SL	NO
CHANNEL FEATURES										
Channel substrate *	SA	GR	GR	CL	GR	SA	SA	GR	GR	GR
Substrate shape	SA	SA	.	SA	SA	SA	.	SA	SA	SA
Flow type *	CF	UW	RP	RP	SM	RP	.	RP	RP	RP
Channel modifications(s)	NO	NO	NO	NO	NO	NO	.	NO	NO	NO
Channel feature(s)	.	NO	.	NO	NO	.	.	NO	NO	NO
RIGHT BANK — TICK if functional feature								✓	✓	✓
Material *	.	GL	SA	CL	.	.	.	SA	.	.
Bank modifications(s)	NO	NO	NO	NO	NO	NO	.	NO	NO	NO
Bank feature(s)	.	NO	NO	NO	SC	NO	.	NO	NO	.

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, HR, IC, IW, RP, SG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CL	CL	GL	GL	CL	GL	BL	BL	OG	GL
LEFT BANK-TOP *(structure within 1m)* BT/SC	S	S	.	S	S	S	.	S	U	S
LEFT BANK FACE *(structure)* BT/SC	U	U	S	.	.	.	.	.	U	U
RIGHT BANK FACE *(structure)* BT/SC	U	U	U	S	.	.	.	.	U	U
RIGHT BANK-TOP *(structure within 1m)* BT/SC	S	S	S	S	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	CL	GL	CL	GL	GL	CL	BL	GL	GL	OG

G PLANT SPECIES LIST *(Complete for 10m wide transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓			✓	✓				
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Carex		✓							
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved								✓	✓	
Submerg fine/linear-leaved										
Filamentous algae	✓			✓			✓	✓	✓	✓

site no. 7110 — 1996 RIVER HABITAT SURVEY: SECTION [illegible]

H CHANNEL DIMENSIONS AND INFLUENCES

	LEFT BANK		RIGHT BANK
Bankop height (m)	0.30	Bankop width (m) 2.5	Bankop height (m) 0.30
Embanked height (m)		Water width (m) 2.5	Embanked height (m)
		Water depth (m) 0.25	

If trapezium lower than bankop break in shape, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

I ARTIFICIAL FEATURES *(within 50m of survey)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = Rail bridge
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

J MANAGEMENT ACTIVITIES *(within 50m of survey)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? Stone

K FEATURES OF INTEREST *(within 50m of survey)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☒ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☒
Leafy debris ☐ Fen ☐ Fluvia ☐

L SHADING *(within 50m of survey)*

Is 33% or more of the channel shaded with vegetation? NO ☒ YES ☐

M ALIEN PLANTS *(within 50m of survey)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☒ Other? (Name) Rhododendron bushes

N OTHER CHANNEL MODIFICATIONS *(within 50m of survey)*

Major impacts: bankfill - dipping - flow - outfall - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations.
Fence alongside next bank many BL. very good
B. many plants & birds.

O CHANNEL CONTROLS *(within 50m of survey)*

Alders? None ☐ Present ☒ Extensive ☐ Downed Alders? None ☐ Present ☒ Extensive ☐

P CHANNEL DIMENSIONS AND INFLUENCES

	L	R		L	R
Broadleaved/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	✓	✓

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	E	E	Recontoured		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Q TREES *(tick one box per bank)* AND ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

	None	Present	E (≥33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

R CHANNEL FEATURES *(within 10m wide transect)*

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Ollit(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Ollit, Run

SAM 1996 RIVER HABITAT SURVEY ... Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7312

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Crenleigh water

Date 16/5/1996 Time: 0900 Surveyor name: NJL Accreditation code: NFG1

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☑ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 2 Unvegetated point bars 2

Pools 2 Vegetated point bars 2

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SAM 1996 RIVER HABITAT SURVEY ON SPOT CHECKS

TALLY (see p2) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across channel at 10m wide transect)*

Spot check 1-10 upstream ☑ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional zone										
Material	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modifications(s)	NO	NO	NO	NO	RI	NO	NO	NO	NO	NO
Bank feature(s)	NO	NG	NO	..	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CL	NV	CL	CL	NV	NV	NV	NV	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SU	NP	SU	SU	NP	SU	SU	SU	SU	SU
Channel modifications(s)	NO	NO	NO	NO	NO	NO	..	NO	NO	NO
Channel feature(s)	NO	NO	NO	..	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone										
Material	..	CL	..	..	CL	CL	CL	CL	CL	CL
Bank modifications(s)	..	NO	..	..	RI	NO	NO	NO	NO	NO
Bank feature(s)	..	NO	..	..	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from AL, CP, FR, HR, IC, IN, OF, IG, PL, RE, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	HR	OP	IN	OL	BL	OL
LEFT BANK-TOP *(structure within 1m)*	B	B	U	U	B	U	I	C	C	.
LEFT BANK FACE *(structure)*	B	B	B	B	B	B	U	U	B	.
RIGHT BANK FACE *(structure)*	B	B	B	B	C	B	B	B	B	B
RIGHT BANK-TOP *(structure within 1m)*	B	U	U	.	B	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	BL	..	SU	BL	BL	IN	IN	BL

PLANT SPECIES

NONE / PLANT GENERA - list from 5									
NONE / PLANT GENERA - list from 5	X	✓	✓	✓	✓	✓		✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓						✓			
Floating-leaved (record)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg. fine/linear-leaved										
Filamentous algae										

TN NO. 7312

SAM 1996 RIVER HABITAT SURVEY ON SPOT CHECKS

CHANNEL SUBSTRATE (% cover)

	L	R
bedrock/natural woodland (BE)	✓	
silt/clay (CY)		
sand (SD)		
Marl/chalk (MA)		
Peat (PT)	✓	✓
"herbs" root vegetation (TR)		

	L	R
Rough pasture (RP)	E	
Improved/semi-improved grass (IG)		✓
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		E

BANK VEGETATION STRUCTURE

	L	R
Natural/semi-natural tree		
shrub/coarse		
turf + tall		
[illegible]	E	E
Conifer		
Ornamental		

	L	R
Artificial/modified		
Reinforced		
Reinforced - whole bank	✓	✓
Reinforced - top only		
Reinforced - toe only		
Artificial toe-stage		
Revetted		
Embanked		
Set-back embankments		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Caught woody debris	☑	☐	☐

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Pool(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Poach(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwood	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): a GI.dr

SAM 1996 RIVER HABITAT SURVEY CROSS-SECTIONS AND PROFILES

CROSS-SECTION

LEFT BANK		Bankfull width (m)	2·0	RIGHT BANK	
Bankfull height (m)	0·3	Water width (m)	0·85	Bankfull height (m)	0·30
Embanked height (m)		Water depth (m)	0·35	Embanked height (m)	

If backflow lower than bankfull break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Pools =
Footbridges = Roadbridges = Other = 1 Culvert from ridge

In areas inspected by waterbus? No ☐ Yes, <33% of site ☐ >33% of site ☐

BANKSIDE LAND USE

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? Stone

BANKSIDE VEGETATION

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridges/tide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

INSTREAM VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☑ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

OBSERVATIONS

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - rod industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Heavily shaded through RP with overhanging branches difficult access to channel

Algae? None ☐ Present ☑ Extensive ☐ Obstruct Algae? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant feeders and fencing — Sec 1 of 4

A PRE-FIELD BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7313

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: North River

Date 16/5/1996 Time: 10.05 Surveyor name JJC Accreditation code: 0941

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state*

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D COUNTING RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS — Sec 2 of 4

TALLY (use 'tick') for - Riffles 1 - Pools 2 Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for bf assessed across channel, within a 1m wide transect)* * = use every entry

Spot check 1 = upstream 10 downstream 10

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional feature										
Material *	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO
Flow type *	CA	NP	NP	NP	NP		NP	NP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO		NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional feature										
Material *		CL	CL	CL	CL	CL	CL			CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO		NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO			NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, HF, IG, IL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG
LEFT BANK TOP *(structure within 1m)* BANKSIDE	B	U	U	U	U	U		U	U	U
LEFT BANK FACE *(structure)* BANKSIDE	S	U	C	C	S		S		U	U
RIGHT BANK FACE *(structure)* BANKSIDE	U	S	U	U	U		U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BANKSIDE	U	U	U	U	U	U		U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG

G CHANNEL VEGETATION TYPES *(Use previous)*

NONE / PLANT GENERA - list first 5				✓			✓	✓		
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes		✓	✓		✓	✓				✓
Floating-leaved (rooted)										
Free-floating	✓								✓	
Amphibious					✓				✓	
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY — Sec 3 of 4

SITE NO. 7313

H CODING THE DOMINANT AND SUBDOMINANT BANKSIDE VEGETATION

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SD)		

I CODING THE CHANNEL AND BANK FEATURES

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced whole bank		
Steep (>45°)	P	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial toe only		
			Poached		
			Embanked		
			Set-back embankments		

J CODING THE CHANNEL AND WATER FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☑	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 1/5)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Undercut/low roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CODING THE CHANNEL AND WATER FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☐	☐
Pool(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pond(s)	☐	☐	☑

	None	Present	E (≥ 1/5)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Multiple islands(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GI & pool

1996 RIVER HABITAT SURVEY — Sec 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	2.5	RIGHT BANK	
Bankop height (m)	0.45	Water width (m)	2.5	Bankop height (m)	0.45
Embanked height (m)		Water depth (m)	1.0	Embanked height (m)	

If trapezium: lower than bankop level in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M CHANNEL MANAGEMENT

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Bridges = Other =

Is water impounded by weir(dam)? No ☐ Yes, <33% of site ☐ >33% of site ☐

N CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other / State

O FEATURES OF SPECIAL INTEREST

None ☐

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Wet marsh/swamp ☐	Marsh ☐	
Leafy debris ☐	Pond (<1 ha) ☐	Fluvio ☐	

P PROTECTED SPECIES

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

Q NOTABLE AND NUISANCE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron Bramble

R SITE USE

Major impacts: bankfill - dipping - lining - sewage - pollution - drought - abstraction - mill - dam - weed - silt sedimentation - boating - mooring - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations:

S ALIENS

Alien? None ☐ Present ☑ Extensive ☐ Diseased Alien? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY with IFE inputs for plant species and freeslag

Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7314

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Mole

Date 10.5./1996 Time: 14:16 Surveyor name JJC Accreditation code. OFEA

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. PREDOMINANT BANK FORMS AND FUNCTIONAL FEATURES (tick as many as apply)

Riffles	0	Unvegetated point bars	3
Pools	0	Vegetated point bars	1

ND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
I. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6AB

RIVER HABITAT SURVEY: IFE STOCK CHECKS

Page 2 of 4

TALLY (use DAY) for - Riffles: Pools: Unveg. side bars: Veg point bars:

A. BIOLOGICAL ATTRIBUTES

Spot check ✓ is. upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material *MI,MD,CB,CL,AR,PE,OC,OF,**	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) *NE,NO,ES,RI,PC,BA,DA*	RS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bank feature(s) *NP,PO,EC,SC,PB,WP,SB,VS*	NO	NO	NO	NO	NO	OHS	SC	VP	NO	NO

B. CHANNEL ATTRIBUTES

Channel substrate * *MI,MD,CO,CP,SA,R,CL,PE,AR*	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape *FL,SP,EL,SF,CH,NO,BL,Other - note*	NO	NO	NO	NO	NS	NS	NS	NO	NO	NO
Flow type * *NF,CH,PP,SW,GT,ST,WF,SH,HF,NO*	CH	SW	SW	SW	SW	SW	SW	SW	SW	SW
Channel modification(s) *NE,NO,CV,ES,RI,DA,TO*	RS	RS	RS	RS	R	RS	R	RS	RS	R
Channel feature(s) *NP,NO,BO,MN,VB,AR,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK ... CHECK if functional feature

Material *MI,MD,CB,CL,AR,PE,OC,OF,**	CL	CL	CL	CL		CL	CL	CL	CL	
Bank modification(s) *NE,NO,ES,RI,PC,BA,DA*	NO	NO	NO	CS	CS	RS	CS	CS	CS	CS
Bank feature(s) *NP,NO,EC,SC,PB,WP,SB,VS*	SC	SC	SC	SC	SC	NO	SC	NO	NO	SC

F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (may be altered over a 10m wide corridor)

Land use: choose one from: IE, OF, OR, WD, RC, IN, OP, IC, IL, WE, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL
LEFT BANK-TOP *(structure within 1m)* source	C	U	U	U	U	U	/	U	U	U
LEFT BANK FACE *(structure)* source	U	U	U	U	U	U	/	/	/	/
RIGHT BANK FACE *(structure)* source	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* source	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IL	IL	IL	IL	IL	IL	IL	IL	IL	IL

G. CHANNEL VEGETATION CONTENT

NONE / PLANT GENERA - list form 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				✓	✓	✓	✓	✓	✓	✓
Emerg reed/sedge/rushes				✓	✓		✓		✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious						✓	✓			
Submerged broad-leaved										✓
Submerg fine/linear-leaved										
Filamentous algae						✓	✓	✓	✓	

RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND FLOW

Page 3 of 4

IFE NO. 7314

A. CHANNEL DIMENSIONS

	L	R		L	R
Reinforced/mixed woodland (RL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (HT)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
"All herbs" weed vegetation (TH)			Suburban/urban development (SD)		

Material/reinforced	L	R	Artificial/reinforced	L	R
Orchard/meadows			Reinforced	E	E
Orchard + tree			Reinforced - orchard, bank		
Scrub (SC)	E	E	Reinforced - top only		
Cracks			Reinforced - toe only		
Vegetation			Artificial face-single		
			Reinforced		
			Embanked		
			Set-back embankments		

B. BANK AND BANKSIDE FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed tree roots	☐	☐	☐
Undercut bank (soil)	☐	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☐	☐

	None	Present	E (≥ 1/5)		None	Present	E (≥ 1/5)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Peat(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features): Run, Glide

RIVER HABITAT SURVEY: DIMENSIONS AND FLOW

Page 4 of 4

A. CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	2·0	RIGHT BANK
Bankfull height (m)	0·25	Water width (m)	0·210	Bankfull height (m) 0·25
Embanked height (m)		Water depth (m)	0·06	Embanked height (m)

If trapezium lower than bankfull bank is steep, indicate: height (m) = width(m) =

Bed exposed at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

B. FLOW TYPES AND OBSTRUCTIONS

None ☐ Number of: Culverts = Weirs = Orchids = Pools =
Footbridges = Boulderbridges = Other =
Is water impounded by weir/dam? No ☐ Yes <25% of site ☐ >25% of site ☐

C. FLOW TYPES AND OBSTRUCTIONS

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ( ) State

D. FLOW TYPES AND OBSTRUCTIONS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Boulder/pebble cascades ☐ Natural open water ☐ Carr ☐
Chalk dams ☐ Water meadow ☐ Marsh ☐
Leaky dams ☐ Fen ☐ Flush ☐

E. FLOW TYPES AND OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. FLOW TYPES AND OBSTRUCTIONS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

G. FLOW TYPES AND OBSTRUCTIONS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - pig/land - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE inputs for plant species and income — Page 1 of 4

A1/2 BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7315

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: —

Date 16/5/1996 Time: 16.45 Surveyor name: NJC Accreditation code: PFU3

Adverse conditions affecting survey? No ☞ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☞ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☞ right bank ☐ channel ☐ *(tick as appropriate)*

C1 PREDOMINANT VALLEY FORM(S) *(tick one box only)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☑	deep vee	☐	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D1 NUMBER OF RIFFLES, POOLS AND POINT BARS *(actual total observed)*

Riffles 10 Unvegetated point bars 4

Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY with SPOT CHECKS — Page 2 of 4

TALLY (use full) for - Riffles Pools ||| Unveg. side bars |||| Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across a 10m wide transect)*

Spot check 1 m: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(tick if functional)*										
Material	EA	EA	EA	CL	CL	CL	CL	CL	CL	C
Bank modification(s)	NO	NO	NO	NO	NO					
Bank feature(s)	NO	NO	NO	NO	NO	NO				
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	
Substrate shape	TR	TR	TR	RE	R	R	R	R		
Flow type	SM	SM	SM	RP		SM	GP	GP		
Channel modification(s)	NO	NO	N							
Channel feature(s)	NO	NO	NO	NO	NO	NO		N		
RIGHT BANK *(tick if functional)*										
Material	EA	EA	EA	CL	C		CL	CL	C	
Bank modification(s)	NO	NO	N	NO			NO	NO		
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	N	EC	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, RC, TH, RP, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BC	GC	BC	BC	BC	BC	C	C	C	C
LEFT BANK-TOP *(structure within 1m)*	S	S	S	S	S	S	S			
LEFT BANK FACE *(structure)*	U	U	C	U	C	C				
RIGHT BANK FACE *(structure)*	U	C	C	U	U	C	C			
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	S	S	S	S			
LAND USE WITHIN 5m OF BANK TOP (R)	BC	BC	BC	BC	BC	BC	C	C	C	C

G CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
	✓	✓	✓	✓	✓	✓	✓			
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7315 — 1996 RIVER HABITAT SURVEY: SUBSTRATE

H SUBSTRATE

	L	R		L	R
Bedrock/natural waterfall (BE)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

I ARTIFICIAL FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unbroken	E	E	Resectioned		
Vertical - bio			Reinforced - whole bank		
Sheep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial bank-material		
			Poached		
			Embanked		
			Set-back embankment		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging bramble	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercut/raw bank	☐	☑	☐
Fallen trees	☐	☐	☑
Channel woody debris	☐	☑	☐

K CHANNEL FEATURES AND CONTROLS

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☑	☐

Indicate predominant flow sequence (*select up to three features*): Run Glide pool

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	0.1	Bankop width (m)	1.5	Bankop height (m) 0.1
Embanked height (m)		Water width (m)	0.75	Embanked height (m) —
		Water depth (m)	0.10	

If trapezium lower than bankop bank in steps, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL STRUCTURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RECENT CHANNEL WORKS

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O ANIMAL OR SPECIAL INTEREST

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHANNEL CONDITION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? (Name) Rhododendron bushes

R OTHER MAN-MADE FEATURES

Major dams - reservoir - tipping - mine - sewage - pollution - drought - obstruction - mill - dam - pond - mill industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S FLOODPLAIN

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7318

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Bailey Mill Stream

Date: 17.5.1996 Time: 10.00 Surveyor name: JLC Accreditation code:

Adverse conditions affecting survey? No ✓ Yes *If yes, state*

Bed of river visible? No ✓ partially entirely *(tick one box)*

IFE single photograph: general character? No Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes *(tick one box)*

Site surveyed from: left bank ✓ right bank channel *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

- shallow vee
- deep vee
- gorge
- ✓ concave/bowl *(If U-shaped glacial valley - add "U")*
- symmetrical floodplain
- asymmetrical floodplain

Terraced valley floor? No ✓ Yes | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS *(left and right banks)*

Riffles	7	Unvegetated point bars	1
Pools	6	Vegetated point bars	0

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E. RIVERBANK CATEGORISATION OF STRETCH

TALLY (use DAY) for - Riffles 111-11 Pools Unveg. side bars Veg point bars 1

E1. PHYSICAL ATTRIBUTES

Spot check 1 m² quadrats ☐ *(tick if used)*

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *(CL, SI, SA, GR, CO, BA, PA, OL, PE, AR, ZZ, MM, AM)*	CL	CL	CL	CL	CL	CL		CL	CL	CL
Bank modifications(s) *(NE, NO, RS, RE, PC, MM, ZZ)*	NO	NO	NO	NO	MM	MM				NO
Bank feature(s) *(NF, NO, EC, SC, PB, VP, ZB, VS)*	SC		NO	BC		SC		EC		NO
RIGHT BANK										
Channel substrate * *(BE, BO, CO, GP, SA, SI, PE, AR)*	GR	NO	GR	RE	NO	NO	NO	GR	GR	CO
Substrate shape *(FL, CV, CC, VV, CO, FO, IR, Other = note)*	NA	NA						SG		
Flow type * *(TF, DH, BW, WF, CF, BF, VF, SM, RF, NO)*	SFA	SFA		CF						
Channel modification(s) *(NE, NO, CV, ZZ, SR, DA, FO)*	NO		NO							
Channel feature(s) *(NF, NO, BR, VB, VE, RA, ZZ)*	NO	NO								
RIGHT BANK *(tick if identical to left)*										
Material *(BE, BO, CB, CO, SA, PE, CL, CT, SI, VP, OA, MM, AM)*	CL									
Bank modifications(s) *(NE, NO, RS, RE, PC, MM, ZZ)*	NO				NO					
Bank feature(s) *(NF, NO, EC, SC, PB, VP, ZB, VS)*	NO				SC		NO			

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(for 5m wide transect)*

Land use: choose one from: IR, CP, DR, WH, SC, TH, EP, FG, IE, WL, OW, RS

LAND USE WITHIN 5m OF BANKTOP (L)	TG	TG	TG	TG	TG	TG		TG	TG	TG
LEFT BANK-TOP *(structure within 1m)*	U	U	U							
LEFT BANK FACE *(structure)*	S									
RIGHT BANK FACE *(structure)*	S									
RIGHT BANK-TOP *(structure within 1m)*	U	U	U		U					
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TG	TG							

G. PLANT SPECIES PRESENCE

NONE / PLANT GENERA - list first 5	✓	✓			✓	✓	✓	✓		
Bryophytes/lichens				✓					✓	
Emerg broad-leaved herbs										
Emerg reed/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7318

H. CHANNEL MORPHOLOGY

	L	R		L	R
Reinforced/retained (RE)		✓	Rough pasture (RP)		
Uniform plantation (CP)			Improved/semi-improved grass (IG)	E	E
Inclined (OB)			Tilled land (TL)		
Meandered/kinks (KIN)			Wetland (eg bog, marsh, fen) (WL)		
Reeds (RC)			Open water (OW)		
All herbs* and vegetation (TH)			Suburban/urban development (SD)		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Poached + toe			Reinforced - whole bank		
Poached - top only			Reinforced - toe only		
Gentle	✓	✓	Reinforced - other		
Composite			Natural features		
			Terraced		
			Embanked		
			Set-back embankments		

I. TREES *(tick one box per bank)*

	Left	Right
None		
Isolated/scattered		
Regularly spaced, single		
Occasional clumps		
Semi-continuous		
Continuous	✓	✓

J. ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>25%)
Shading of channel			
Overhanging boughs			
Exposed bankside roots			
Undercut tree roots			
Fallen trees			
Coarse woody debris			

K. CHANNEL FEATURES

	None	Present	E (>25%)
Waterfall(s)	✓		
Cascade(s)	✓		
Rapid(s)	✓		
Riffle(s)			✓
Run(s)		✓	
Pool(s)	✓		
Glide(s)			✓
Pool(s)	✓		

	None	Present	E (>25%)
Marginal deadwater		✓	
Exposed bedrock		✓	
Exposed boulders		✓	
Unvegetated mid-channel bar(s)		✓	
Vegetated mid-channel bar(s)		✓	
Mature island(s)			
Unvegetated side bar(s)		✓	
Vegetated side bar(s)		✓	

Indicate predominant flow sequence *(select up to three features)*: 1 m 2 3

L. CHANNEL DIMENSIONS AND MEASURES

LEFT BANK		Bankfull width (m)	5.6	RIGHT BANK
Bankfull height (m)	0.7	Water width (m)	4.5	Bankfull height (m) 0.7
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)

If trapezium lower than bankfull bank in shape, indicate: height (m) width (m)

Bed exposed at site is: consolidated (transport) unconsolidated (loose) Clear/none

Location of measurement is: riffle ✓ run or glide other *(tick one box)*

M. CHANNEL MANAGEMENT

Trees: Number of: Cut Coppiced Pollarded Other Fully Partly

Is water impounded by weirdam? No Yes, <33% of site >33% of site

Bank: Dredging Mowing Weed cutting

Enhancement Other (state)

Weirdam: Artificial open water Bag Other (state)

Bridge/culvert: Natural open water Cage

Debris dam: Weed cutting Marsh

Leafy debris Flash

Is 11% or more of the channel shaded with vegetation? NO ✓ YES

Bank: None ✓ Giant Hogweed Knotweed Balsam Japanese Knotweed Other? Notify Environment Section

N. CATCHMENT MANAGEMENT

Major impacts: landfill - dipping - flood - sewage - pollution - drought - abstraction - mill - dam - canal - mill - industry - housing - mining - quarrying - recreation/sport - afforestation - fisheries management - other? other?

Land Management: set-aside - buffer strip - woodland - abandoned land - grassland - MAFF - other? -

Animals: mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonfly/damselfly

Other significant observations:

Algae? None Present Extensive Diseased Alders? None ✓ Present Extensive

RIVER HABITAT SURVEY — SITE SURVEY FORM 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7319

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: —

Date 17.5./1996 Time: 11.18 Surveyor name JJC Accreditation code. PFD

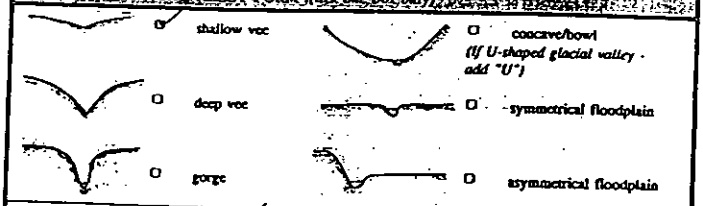
Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)



☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (multiple tick if appropriate)

Riffles ○ Unvegetated point bars ○

Pools ○ Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.E. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY — SITE SURVEY FORM 2

TALLY (use DS for - Riffles, Pools, Unveg. side bars, Veg point bars)

E. PHYSICAL ATTRIBUTES

Spot check 1 m: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material * (BE,BO,CO,CS,LA,PE,CL,GP,SP,GA,BA,AR)	CL	CL	CL	CL	GP	CL	CL	CL	CL	CL
Bank modification(s) (NE,NO,RS,RI,PC,BM,DA)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (AP,NO,EC,RC,PA,VP,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * (BE,BO,CO,GP,SA,SI,CL,PE,AR)	GP	CO	NV	CL	GP	CL	CL	CL	CL	CL
Substrate shape (FL,CNV,SL,RV,CU,FO,SE, Others - note)	EC	TA	NA	NA	EL	NA	NA	NA	NA	NA
Flow type * (FF,GLD,RPF,RUF,CES,SEF,SEM,PAF,NO)	RR	RR	SW	RR	RR	RR	SW			SW
Channel modification(s) (NE,NO,CV,RS,SB,DA,FO)	NO	NO	NO	NO	NO	NO	NO			NO
Channel feature(s) (AP,NO,BO,MB,VB,SO,IS)	NO	NO	NO	NO	NO	NO	NO			NO
RIGHT BANK — tick ✓ if identical to left bank	✓									
Material * (BE,BO,CO,CS,LA,PE,CL,GP,SP,GA,BA,AR)		CL	CL	CL	CL	CL		CL		CL
Bank modification(s) (NE,NO,RS,RI,PC,BM,DA)		NO	NO	NO	NO	NO	NO	NO		NO
Bank feature(s) (AP,NO,EC,RC,PA,VP,SB,VS)		NC	NO	NO	NO	NO	NO	NO		NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (Use a 10m tape measure)

Land use: choose one from (BL, CP, OR, HW, RC, TN, RP, IG, IL, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	IF	TC	IG	IG	IG	IG	IG	RP	CP	CP
LEFT BANK-TOP (structure within 1m) (B/S/E/C)	U	B	S	U	U	U	S	S	S	S
LEFT BANK FACE (structure) (B/S/E/C)	S	S	S	S	S	S	S		S	S
RIGHT BANK FACE (structure) (B/S/E/C)	S	U	S	S	S	S	S		B	S
RIGHT BANK-TOP (structure within 1m) (B/S/E/C)	S	S	B	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	CL	CL	IG	CL	CL	CL	CL	CL	CL	CL

G. CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY — SITE SURVEY FORM 3

SITE NO. 7319

H. SUBSTRATUM AND FEATURES (Use a 10m tape measure)

	L	R		L	R
Boulder/mixed woodland (BL)		E	Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (M/H)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* moss vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-modified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + ledge			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I. SIDE AND BANK FEATURES (Use a 10m tape measure)

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed boulder roots	☐	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

J. CHANNEL FEATURES (Use a 10m tape measure)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run Glide

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RIVER HABITAT SURVEY — SITE SURVEY FORM 4

K. CHANNEL DIMENSIONS (Use a 10m tape measure)

LEFT BANK		Bankop width (m)	20	RIGHT BANK	
Banktop height (m)	04	Water width (m)	1-40	Banktop height (m)	0-4
Embanked height (m)		Water depth (m)	0-10	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: — riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L. HYDRAULIC FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by, weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M. RIVER CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State .....

N. FEATURES OF CONSERVATION INTEREST

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

O. RIPARIAN CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P. NOTABLE PLANTS (Use a 10m tape measure)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Name) Rhododendron bushes

Q. WATER QUALITY OBSERVATIONS

Major impacts: culvert - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - canal - mill dam/weir - bridging - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - canal martin - heron - dragonflies/damselflies

Other significant observations: Dredge spoil from RB BL
Dark clay substrate where remains of BL (and TC) once grew on LB

R. ALIEN PLANTS

Aliens? None ☐ Present ☑ Extensive ☐ Document Aliens? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY and (if added) for plant species and fencing

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7320

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: —

Date 15/5/1996 Time: 13.45 Surveyor name: [illegible] Accreditation code: NFCC

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C. BROAD DOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D. RIFFLE AND POOL SEQUENCES

Riffles 10 Unvegetated point bars 6

Pools 7 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
M. DAWSON, ITE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY and IN SPOT CHECKS — page 2 of 4

TALLY (one tick for each Riffle, Pool, Unveg side bar, Veg point bar) Riffles 1HT Pools 1HT II Unveg side bars 1HT Veg point bars 1

E. PHYSICAL ATTRIBUTES (to be completed for each Riffle)

Spot check 1 at upstream (U) downstream (D)

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK if functional feature)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	NO	SS	RR	EC	NO	NO	NO
CHANNEL (TICK if functional feature)										
Channel substrate	CO	SI	GR	GR	GR	GR	GR	ST	ST	GR
Substrate shape	NA	NA	SR	SR	SR	NA	SR	NA	NA	MIX
Flow type	NP	NP	NP	NP	NP	RP	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	MB	NO	NO	NO	NO	NO	NO
RIGHT BANK (TICK if functional feature)										
Material	EA	EA	SI	EA	EA	EA	EA	EA	SI	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SI	NO	SC	NO	NO	SC	VB	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide channel)

Land use: choose one from BL, CP, OL, HC, IC, FM, RP, SG, TC, HE, OW, TO

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	OL	BG	TF	OL	OL	NU	OL	OL	OL	BL
LEFT BANK TOP (structure within 1m)	S	U	U	U	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	S	U	U	U	B	B	B	U	B
RIGHT BANK FACE (structure)	S	S	U	U	U	B	B	B	U	U
RIGHT BANK TOP (structure within 1m)	S	S	S	C	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	PA	PA	BL	OL	PA	OL	PA	PA	OL	BL

G. BANKSIDE AND WATER VEGETATION

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5		✓		✓		✓	✓			
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓		✓		✓			E	✓	

H. CHANNEL DIMENSIONS AND DISCHARGE

LEFT BANK		Bankfull width (m)	3.0	RIGHT BANK	
Bankfull height (m)	0.1	Water width (m)	1.0	Bankfull height (m)	0.1
Embanked height (m)		Water depth (m)	0.06	Embanked height (m)	

If bankfull lower than bankfull bench in steps, indicate: height (m) = — width (m) = —

Bed material at site is: consolidated (rock) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I. CHANNEL MANAGEMENT

None ☐ Number of: Culverts = Weirs = Outfalls = Ponds =
Footbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J. CHANNEL MODIFICATIONS

None ☐ Dredging ☐ Recent ☐ Remedial ☐ Other ? State

K. FEATURES OF CHANNEL AND BANKSIDE

None ☐
Waterfalls > 5m high ☐ Additional spot-check ☐ Bridges ☐ Other (state)
Bridges/other channel ☐ Flood spill-over ☐ Culverts ☐
Debris dams ☐ Fords ☐ Marina ☐
Leaky dams ☐ Pipes ☐ Flood ☐

L. ARTIFICIAL IN-CHANNEL STRUCTURES

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M. LAND USE AND MANAGEMENT

None ☑ Grass Playfield ☐ Riverbank Pasture ☐ Improved Grassland ☐ Other Major Riverbankside Features

Major impacts: bankfill - dipping - lifted - damage - pollution - drought - abstraction - silt - dam - weed - soil industry - boating - sliding - quarrying - overdeepening - reforestation - fishing - management - mining - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - NVZ - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink marten - heron - dragonflies/damselflies

Other significant observations:

Straight [illegible] and [illegible] OL [illegible] Many [illegible] [illegible] [illegible]

A. MAP & GROUND SURVEY BASE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7324

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 232252 River: Abbey River

Date: 21/5/1996 Time: 12.30 Surveyor name: MG Accreditation code: AFCS

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
... and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee
☐ symmetrical floodplain
☐ gorge
☑ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☑ | IFE - VALLEY FORM NOTES:

D. SUBSTRATE FEATURES & SUBSTRATE DIVERSITY

Riffles 10 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E. RIVER HABITAT SURVEY: TEN SPOT CHECK

TALLY (use 'fill' for "Riffled bit") Pools Unveg. side bars Veg point bars

1. PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material*	EA	EA	BE	BE	BE	BE	CO	BO	CO	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	SB	VS	NO	NO	NO	SS	IP
Channel substrate*	CO	CO	CO	CO	CO	SE	CO	CO	CO	CO
Substrate shape	RO	RO	IR	IR	IR	IR	RO	RO	RO	RO
Flow type*	UW	UW	UW	RP	UW	RP	FF	RP	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	CO	NO	CO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES (facing downstream)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material*				EA		BE	CO	BE	UW	UW
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	SC	NO	NO	NO	SC		

2. BANKTOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from: IE, CP, OL, UH, IC, TH, RP, SG, IT, MI, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CP	BL	BL	BL	BL	BL	BL	BL	IC	BL
LEFT BANK-TOP (structure within 1m)	S	S	-	S	S	C	S	C	-	-
LEFT BANK FACE (structure)	S	S	S	S	S	C	S	S	-	-
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	S	S	U	U	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

3. VEGETATION TYPES

NONE / PLANT GENERA - list first 5	✓						✓	✓		
Bryophytes/lichens (Fontinalis)			✓		✓	✓	✓			✓
Emerg broad-leaved herbs (Oenanthe)		✓	✓	✓					✓	✓
Emerg reed/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

F. RIVER HABITAT SURVEY: CHANNEL DIMENSIONS & FEATURES

1. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.7	Banktop width (m)	7.0	Banktop height (m)	1.0
Embanked height (m)		Water width (m)	5.0	Embanked height (m)	
		Water depth (m)	0.15		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (mosaic) ☑ unconsolidated (loose) ☐ Unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

2. MAN-MADE FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No ☑ Yes, <33% of site ☐ >33% of site ☐

Type: None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

3. ADJACENT LAND USE

None ☐
Woodland > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridle/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Lady slacks ☐ Fen ☐ Flush ☐

4. CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

5. INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Name Rhododendron

6. CHANNEL MODIFICATIONS & MANAGEMENT

Major impacts - bankfill - dredging - flow - storage - pollution - dysnight - obstruction - infill - dam - weed - infill - sedimentation - bankside management - overdeepening - culverts/pipes - fisheries management - other? =

Land Management - arable - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - mink - water vole - kingfisher (heron) grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations: Small river cutting steeply through limestone valley floor of wooded valley.

7. ARTIFICIAL FEATURES

Artificial? None ☑ Present ☐ Extensive ☐ Diamond Alders? None ☑ Present ☐ Extensive ☐

G. RIVER HABITAT SURVEY: CHANNEL SURVEY

1. CHANNEL SURVEY

	L	R		L	R
Broadleaved/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Meadow/flower (MF)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial revetment		
			Poached		
			Eroded		
			Set-back embankment		

2. TREES & ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Undercutting (see above)	☐	☑	☐
Fallen trees	☐	☑	☐
Crown woody debris in channel	☐	☑	☐

3. CHANNEL FEATURES

	None	Present	E (>33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (>33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Marginal island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): Rapid - Run

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7325

Mid-site grid reference of network site if different from designated location:

Grid Reference: SC 465 227 River: Torridge

Date 4/5/1996 Time 13:00 Surveyor name MG Accreditation code. PFSC

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* Fairly high flow.

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D SUBSTRATE/FEATURE/BASIN INFORMATION

Riffles 0	Unvegetated point bars 0
Pools 0	Vegetated point bars 0

ASK COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: IN SPOT CHECKS

TALLY (use DAFOR) for - Riffles Pools Unveg. side bars Veg point bars

A PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
B SUBSTRATE/FEATURE										
Material	CA	CA	C	CA	CA	CA	CA	CA	CA	
Bank modification(s)	RS							SM	LM	
Bank feature(s)	NO	NO				NO		NO	NO	NO
C ALONG BANK										
Channel substrate	NV	NV	NV	NV	NV	NV		NV	NV	NV
Substrate shape	NK	NK	NK	NK	NK	NK		NK	NK	NK
Flow type	SM	SM	SM		SM	SM		SM	BU	RC
Channel modification(s)	NO	NO	NO		NO	NO		NO	NO	
Channel feature(s)	NO	NO	NO		NO	NO		NO	NO	
D RIGHT BANK TOP TO TOP (if restricted)										
Material	CA	CA	C			CA		RK	RK	RK
Bank modification(s)									RI	RI
Bank feature(s)	NO	NO			NO	NO		NO	NO	NO

E BANKTOP LAND USE AND VEGETATION STRUCTURE (within 5m of bankside)

Land use: choose one from: IE, CP, OR, WH, SC, TH, HP, SG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	IG		IG	IG		IG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	S	U			U				
LEFT BANK FACE (structure)								S		
RIGHT BANK FACE (structure)										
RIGHT BANK-TOP (structure within 1m)	S	S	S			S				
LAND USE WITHIN 5m OF BANK TOP (R)			IG	IG	IG			SU		SU

F PLANT INFORMATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/fucous-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SITE NO. 7325

G BANKSIDE FEATURES (within 5m of bankside)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH) —			Suburban/urban development (SU)	✓	✓

H BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/walled		
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Slop (>45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		✓
Composite			Artificial two-stage		
			Parallel		
			Embanked		
			Set back embankments		

I TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	✓	✓
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥ 1/3 %)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Undercut/ tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

J CHANNEL FEATURES

	None	Present	5		None	Present	5 (≥ 1/3 %)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	☐	✓	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bed(s)	☐	✓	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): 1. Glide

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

K CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.5	Banktop width (m)	22.0	Banktop height (m)	3.5
Embanked height (m)	4.0	Water width (m)	20.0	Embanked height (m)	
		Water depth (m)	1.5		

If trafficline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ARTIFICIAL INFLUENCES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is weir impounded by weir/dam? No ☑ Yes <33% of site ☐ >33% of site ☐

M RIVER CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? Scrub

N FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (name)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? ☑ NO ☐ YES ☐

P NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nordic Rhododendron bracken

Q DISTURBANCE

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin (heron) dragonflies/damselflies

Other significant observations: Low, [illegible]

R ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1 SURVEY DETAILS

Reference network site number: 7326

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 583210 River: Langham Lake

Date: 20.5.1996 Time: 15:00 Surveyor name: MG Accreditation code: PF65

Adverse conditions affecting survey? No ☐ Yes ☑ If yes, state: High flow

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☐ (tick as appropriate)

2 GENERAL SITE DETAILS

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)
Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class
Flow category (1-10)
Planform category
Navigation ?

3 VALLEY FORM

☐ shallow vee
☑ concave/bowl (If U-shaped glacial valley - add 'U')
☐ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

4 SURVEY CONDITIONS

Riffles ☐ Unvegetated point bars ☐
Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

5 TALLY (use DD) for - Riffle/Rapid / Pools / Unveg. side bars / Veg point bars

6 HYDROMORPHOLOGICAL ATTRIBUTES

Spot check 1 in upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
DOMINANT SUBSTRATE										
Material (BE,BO,CO,CB,LA,PE,GravelSand,SI,CL,ST,OR,BA,RR,AR)	EA	EA	EA	NV	EA	BARE	EA	LO	EA	EA
Bank modification(s) (NO,RE,RS,RI,PC,BM,EX)	NO	NO	NO	NK	NO	NO	US	NO	NO	NO
Bank feature(s) (NO,EC,BC,PB,VP,SB,VE)	EC	EC	EC	NO	NO	EC	SC	NO	NO	EC
CHANNEL										
Channel substrate (BE,BO,CO,CB,LA,PE,GravelSand,SI,CL,PE,AR)	CO	CO	CO	CO	CO	CO	BO	BO	CO	CO
Substrate shape (FL,OV,EL,IF,CU,FO,IR, Other - note)	PO	AV	PO	NO	PO	PO	CU	CU	PO	PO
Flow type (FF,CH,RW,WF,EF,RF,SP,SM,MP,NO)	BW	BW	RP	RP	RW	RP	RP	SM	BW	BW
Channel modification(s) (ME,NO,CV,RS,RI,DA,FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (MI,NO,BO,WB,VP,SG,TR)	NO	NO	NO	NO	PS	NO	NO	NO	NO	NO
RIGHT BANK TOP STOCK (if functional zone)										
Material (BE,BO,CO,CB,LA,PE,CL,CC,SI,VP,OR,GS,AR,RR,OV)	LA	SA	EA	SA	SA	CL	EA	SA	SA	SA
Bank modification(s) (ME,NO,RS,RI,PC,BM,EX)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (MI,NO,EC,BC,PB,VP,SB,VE)	SB	PB	NO	SB	NO	SC	NO	NO	NO	NO

7 BANKSIDE LAND USE AND VEGETATION STRUCTURE (Code - distance)

Land use: choose one from: BL, CF, OR, HR, RC, FM, RP, IG, EL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BANDC	C	C	C	C	S	C	S	-	-	C
LEFT BANK FACE (structure) BANDC	S	B	S	-	S	S	S	-	-	S
RIGHT BANK FACE (structure) BANDC	S	-	S	-	-	S	S	S	-	S
RIGHT BANK-TOP (structure within 1m) BANDC	S	C	C	-	C	S	C	S	-	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	B	BL

8 VEGETATION TYPES (Code - abundance)

NONE / PLANT GENERA - list first 5	✓	✓		✓		✓	✓		✓	✓
Bryophytes/lichens	1									
Emerg broad-leaved herbs	1	Oenanthe		✓			✓			✓
Emerg reeds/sedges/rushes	1									
Floating-leaved (rooted)	1									
Free-floating	1		•							
Amphibious	1									
Submerged broad-leaved	1									
Submerg fine/linear-leaved	1									
Filamentous algae	1									

SITE NO. 7326

9 RIVER CHANNEL SURVEY DIMENSIONS AND INFLUENCES

A CHANNEL DIMENSIONS (To nearest 0.1m)

LEFT BANK		Bankfull width (a)	4.0	RIGHT BANK	
Bankfull height (a)	0.5	Water width (a)	4.5	Bankfull height (a)	0.7
Embanked height (a)		Water depth (a)	0.20	Embanked height (a)	

If trapezoidal lower dam bankfull break in slope, indicate: height (a) = width(a) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☑ run or glide ☐ other ☐ (tick one box)

B CHANNEL CONTROLS

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C TYPE OF BANK MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

D FEATURES OF ENHANCEMENT

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☑
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fluvial ☐

E SHADING

Is 33% or more of the channel shaded with vegetation? NO ☑ YES ☐

F PLANT SPECIES INDICATORS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G OTHER FEATURES

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - husbandry - breeding - mining - quarrying - overdeepening - afforestation - fisheries management - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: mice - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfies

Other significant observations: Channel much shaded to right bank. Heavily wooded valley bottom. Orchard fenced.

H ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

10 RIVER CHANNEL SURVEY FEATURES

A CHANNEL FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

B CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☐	☑	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☐	☐	☑
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Rapid

BACKGROUND/MAP INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DATA

Reference network site number: 7327

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 6082 48 River: Taw

Date: 20/5/1996 Time: 16:30 Surveyor name: M.G. Accreditation code: PF65

Adverse conditions affecting survey? No ( ) Yes (✓) *If yes, state* High flow

Bed of river visible? No (✓) partially ( ) entirely ( ) *(tick one box)*

IFE single photograph: general character? No ( ) Yes (✓) *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No (✓) Yes ( ) *(tick one box)*

Site surveyed from: left bank ( ) right bank (✓) channel ( ) *(tick as appropriate)*

C: PREDOMINANT VALLEY FORM (tick one box)

- ( ) shallow vee
- ( ) concave/bowl *(If U-shaped glacial valley - add "U")*
- ( ) deep vee
- ( ) symmetrical floodplain
- ( ) gorge
- ( ) asymmetrical floodplain

Terraced valley floor? No (✓) Yes ( ) | IFE - VALLEY FORM NOTES:

NUMBER OF POOLS AND RIFFLES

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SUMMARY SHEET

FULLY (use 'Pct') for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check (✓ upstream ✓ downstream !)	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material	CA	CA	NJ	NO	NV	CA	CA	CA	CA	CA
Bank modifications(s)	NO	NO	NK	NK	NK	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NS	NO	NO	NO	NO
CHANNEL SPOT CHECK										
Channel substrate	CO	NJ	NJ	NJ	BE	NJ	NJ	NJ	NJ	NJ
Substrate shape	NK	NK	NK	NK	IR	NK	NK	NK	NK	NK
Flow type	UP	UP	UP	RP	CF	RP	FP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECK (functional feature)										
Material				BE	CA	CA		CA	CA	CA
Bank modifications(s)				NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO			NO	NO	NO	NO	NO	NO	

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (for the adjacent 50m each bank)

Land use - choose one from: BL, CF, OR, HH, RC, FM, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/NC	S	-	-	C	C	-	-	S	-	
LEFT BANK FACE *(structure)* BA/NC	-	S	-	S	C	-	-	-	-	
RIGHT BANK FACE *(structure)* BA/NC	-	-	-	-	C	-	-	-	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/NC	S	S	-	-	S	-	-	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	-	IG	IG	

C. VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5			✓			✓				
Bryophytes/lichens										
Emerg broad-leaved herbs			✓	✓	✓			✓	✓	✓
Emerg reeds/sedges/rushes		✓	✓	✓	✓		✓		✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved	✓									
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 7327

RIVER HABITAT SURVEY: SUMMARY SHEET

A. CHANNEL DIMENSIONS

LEFT BANK		Bankfop width (m)	16.0	RIGHT BANK	
Bankfop height (m)	0.0	Water width (m)	16.0	Bankfop height (m)	0.3
Embanked height (m)		Water depth (m)	1.0	*Embanked height (m)*	

If trashline lower than bankfop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ✓

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

ARTIFICIAL STRUCTURES

None ✓ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is weir impounded by weirdam? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other? State

FEATURES OF CHANNEL INTEREST

None ✓
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/Anabranching channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleds ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

D. RIPARIAN VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ✓ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

ADJACENT LAND USE

Major impacts: landfill - tipping - fence - storage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - tiling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail (mud marks) heron - dragonflies/damselflies

Other significant observations: Large river in sycamore floodplain, high flows, mud

ALIEN PLANTS

Alien? None ✓ Present ☐ Extensive ☐ Diseased Alien? None ✓ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: SUMMARY SHEET

A. CHANNEL DIMENSIONS AND FLOW CONDITIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH) ----			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slump (>45°) + [illegible]	E	E	Reinforced - top only		
Cracks			Reinforced - toe only		
Composite			Artificial two-stage		
			Profiled		
			Embanked		
			Set-back embankments		

B. RIVER CHANNEL SURVEY FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	☐
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed boat/side roots	✓	☐	☐
Undercut tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	☐	✓	☐
Rapid(s)	☐	✓	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	☐	☐	✓	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): Boil Run

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY CONTROLS

Reference network site number: 7328

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 170208 River: Little Silver Stream

Date 19.6.1996 Time: 12.50 Surveyor name NM – MG Accreditation code PT64/5

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(tallies of each feature)*

Riffles	13	Unvegetated point bars	5
Pools	1	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY – CONTINUATION CHART

TALLY (use DAY) for - Riffles 13 Pools 1 Unveg. side bars 5 Veg point bars 0

E CHANNEL ATTRIBUTES

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK 1 (nearest)										
Material	GA	GA	GA	GA	BL	BL	BL	GA	BL	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SU	SU/SS	SU/SS	NO	NO	NO	SB	SB	SL
CHANNEL - STICK 2 (middle)										
Channel substrate	CO	CO	CO	CO	CO	BL	BL	BL	CO	CO
Substrate shape	FL	FL	FL	FL	FL	IR	IR	IR	FL	FL
Flow type	UW	SM	RP	RP	FM	CH	NP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - STICK 3 (furthest)										
Material	GA	GA	GA	GA	A	NA	NA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SL	SL	SL	NO	NO	NO	SU/SS	NO	NO

F RIPARIAN LAND USE AND VEGETATION STRUCTURE (to 50 metres each side of river)

Land use: choose one from BL, CF, OR, MG, SC, TH, RF, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) MAX 5	C	C	S	C	C	S	S	C	S	S
LEFT BANK FACE (structure) MAX 5	S	S	S	S	S	S	S	S	U	S
RIGHT BANK FACE (structure) MAX 5	S	S	S	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m) MAX 5	S	S	S	C	C	C	C	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	RF	RF	RF

G PLANT SPECIES LIST (to be completed over the whole site)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓					✓		E			✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/fibrous-leaved										
Filamentous algae	✓	✓				/	✓	E			✓

SITE NO. 7328 | 1995 RIVER HABITAT SURVEY – CONTINUATION CHART | PAGE 2 of 2

H LAND USE (within 50m each side of river)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		E
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MG)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* / rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		✓	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)		C	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Eroded/cut		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	6 (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	6 (≥ 33%)		None	Present	6 (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Riffle - Run

1995 RIVER HABITAT SURVEY – DIMENSIONS AND DISTURBANCE

L CHANNEL DIMENSIONS (to be measured at the most representative cross-section)

LEFT BANK		Banktop width (m)	5.7	RIGHT BANK	
Banktop height (m)	0.7	Water width (m)	3.5	Banktop height (m)	0.7
Embanked height (m)	/	Water depth (m)	0.07	*Embanked height (m)*	/

If trapezoidal channel with banktop height in steps, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (within 50m each side of river)

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RECENT CHANNEL MANIPULATION (within 50m each side of river)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

O SAMPLING OF FOW FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Bridges/culv. channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANT SPECIES (within 50m each side of river)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? *Notable Rhododendron location*

R OTHER FEATURES (within 50m each side of river)

Major impacts: landfill - tipping - litter - sewage - pollution - dysgalit - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MaD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - coot moorhen - heron - dragonflies/damselflies

Other significant observations:

S INVASIVE ALIENS (within 50m each side of river)

Alien? None ☑ Present ☐ Extensive ☐ Deceased Alien? None ☑ Present ☐ Extensive ☐

A. BACKGROUND CATCHMENT INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7329

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS890295 River: Bovle

Date 10.5.1996 Time: 10:30 Surveyor name MG/NH Accreditation code. PF65/AF64

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ ; right bank ☑ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee — ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBERS OF RIFFLES, POOLS AND UNVEGETATED POINT BARS (enter 0 if none)

Riffles 7 | Unvegetated point bars |

Pools 0 | Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY - THIN SPOT CHECKS

TALLY (use BII) for - Riffles 7 | Pools | Unveg. side bars | Veg point bars

E. PHYSICAL ATTRIBUTES (to be assessed across channel within 10 x wide (bankfull))

Spot check 1 u. upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK (functional zone)										
Material *(BE,BO,CO,GS,LS,PC,CL,CC,SP,VP,GA,AR,BR,AM)*	GS	BE	BO	NO	CO	EA	BE	BO	NV	NV
Bank modification(s) *(NE,NO,RS,RI,PC,RM,EM)*	NO	NO	NO	ENR	VP	NO	NO	NO	NK	NK
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NK	NK
CHANNEL - TICK (functional zone)										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	BO	CO	BE	BO	CO	BE	BE	CO	CO
Substrate shape: *(FL,CV,EL,SP,CU,FO,IR, Others - note)*	CV	CU	CU	FL	CU	CN	FL	CU	CV	CV
Flow type * *(FT,CH,RW,UW,CF,RP,UP,SM,MP,NO)*	RP		RP	SM	BW	RP	SM	BW	RP	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO			NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,VB,MI,TR)*	NO	RO			RO	NO	NO	RO	NO	
RIGHT BANK - TICK (functional zone)										
Material *(BE,BO,CO,GS,LS,PC,CL,CC,SP,VP,GA,AR,BR,AM)*	BO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,RM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide (bankfull) zone)

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	PL	SC	IG	IG	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* BA/UC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* BA/UC	S	U	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/UC	S	S	S	S	S	S	U	S	U	S
RIGHT BANK-TOP *(structure within 1m)* BA/UC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (tick one box per bank)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓			✓	✓		✓	✓	✓	✓
Emerg broad-leaved herbs						✓			✓	✓	✓
Emerg reeds/sedges/rushes	✓		✓				✓	✓		✓	✓
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1995 RIVER HABITAT SURVEY - CHANNEL AND BANKTOP/LAND USE

SITE NO. 7329

H. CHANNEL MODIFICATIONS AND ENGINEERING

	L	R		L	R
Mixed/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)		E	Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Concrete		✓	Artificial two-stage		
			Pooled		
			Embanked		
			Set-back embankments		

I. AMOUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

J. CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bay(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Predominant flow sequence *(select up to three features)*: Rapid - Run

1995 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

K. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.00	Banktop width (m)	13.0	Banktop height (m) 1.00
Embanked height (m)		Water width (m)	12.0	*Embanked height (m)*
		Water depth (m)	0.40	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

L. ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M. EVIDENCE OF RECENT CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

N. FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P. BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron bracteatum

Q. ENVIRONMENTAL DISTURBANCE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Boulder & bedrock [illegible] CP extensive on RHS, [illegible] to river. 4 Deer seen (Roe)

R. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONLESS

CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	8.9	RIGHT BANK	
Banktop height (m)	1.2	Water width (m)	2.1	Banktop height (m)	1.3
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement in: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .... TREE CLEARING (SELECTIVE) .....

CHANNEL CONTROLS

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog ☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr ☐
Debris dams	☐	Water meadow	☐	Marsh ☐
Leafy debris	☐	Fen	☐	Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE AND ALIEN PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL CHANNEL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

TREES

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

SITE NO: 7337

RIVER HABITAT SURVEY: SURVEY SHEET

BANK AND ADJACENT LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rank vegetation (TH)			Suburban/urban development (SU)		✓

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed backside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☑	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: GLIDE-RUN

RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (one per box - e.g. ||||): Riffles || Pools Unveg. bars Veg point bars

HABITAT ATTRIBUTES

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	GR	CA	EA
Bank modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	EC	NO	EC	SC	NO
Channel substrate	GP	GP	GP	GP	GP	GP	GP	NV	NV	CL
Substrate shape								NA	NA	
Flow type	RP	RP	RP	RP	SM	SM	RP	CF	SM	SM
Channel modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	BR	BR	EA	EA	EA	CL	EA	CL	EA	EA
Bank modification(s)	RW	RW	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	PB	SC	SC

LAND USE AND VEGETATION NOTED WITHIN 5m OF BANKTOP

Land use: choose one from: BL, CP, OR, MH, SC, TH, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BANKSIDE	S	S	S	S	S	S	S	C	S	S
LEFT BANK FACE (structure) BANKSIDE	C	C	S	C	S	S	C	B	S	S
RIGHT BANK FACE (structure) BANKSIDE	C	S	C	C	C	S	B	S	S	S
RIGHT BANK-TOP (structure within 1m) BANKSIDE	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	IG	IG	IG	IG	IG	IG	IG	IG

PLANT SPECIES NOTED

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓									
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓		✓	✓
Emerg reed/sedge/rush					✓				✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious								✓		
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	✓	✓	✓	✓	✓				

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7337

Mid-site grid reference of network site if different from designated location:

Grid Reference: 608252 River: CAM

Date 29/5/1996 Time: 10am. Surveyor name G.M.Hems. Accreditation code P.F.B6.

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

DOMINANT VALLEY FORM

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

CHANNEL SKETCH AND ADDITIONAL NOTES

Riffles 2 Unvegetated point bars |

Pools | Vegetated point bars O

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: BACKGROUND MAP BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7338

Mid-site grid reference of network site if different from designated location:

Grid Reference: 709281 River: CALE

Date 21/5/1996 Time: 12.00 pm. Surveyor name Latham Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 5 Unvegetated point bars 0
Pools 2 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: TRANSECT OF 10

TALLY (no. SRS) for - Riffles 10 Pools 11 Unveg. side bars Veg point bars

Spot check 1 is: upstream ☑ downstream ☐

DIMENSION ATTRIBUTES	1	2	3	4	5	6	7	8	9	10
LEFT BANK Material	EA	EA	EA	EA	GA	EA	EA	EA	EA	CC
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS/RI	RS	RS	RI
Bank feature(s)	NO	NO	SC	NO	NO	SC	NO	NO	NO	NO
CHANNEL Channel substrate	GP	SI	NV	NV	NV	NV	AR	GP	NV	BO
Substrate shape										
Flow type	SM	SM	NP	SM	NP	NP	SM	SM	NP	RP
Channel modification(s)	NC	NO	NO	NO	NO	NO	NO	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK Material	EA	EA	EA	EA	EA	EA	CC	EA	EA	BR
Bank modification(s)	RS	NO	NO	RS	RS	RS	RI	RS	RS	RI
Bank feature(s)	SB	SB	SC	NO	SC	SC	NO	NO	NO	NO

PLANKTON AND LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, SON, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	TH	IG			SU	SU	SU	SU
LEFT BANK-TOP (structure within 1m) BA/US/C	C	C	U	C			S	S	S	S
LEFT BANK FACE (structure) BA/US/C	C	C	S	S			S	S	S	S
RIGHT BANK FACE (structure) BA/US/C	S	S	C	C			U	S	S	S
RIGHT BANK-TOP (structure within 1m) BA/US/C	S	C	C	C			C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SC	IG	IG	IG	IG	SU	SU	SU	SU

PLANKTON AND VEGETATION STRUCTURE (continued)

NONE / PLANT GENERA - list first 5			✓		✓					
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓		✓			✓			✓
Emerg reed/sedge/rush	✓	E		✓		✓	✓	✓		✓
Floating-leaved (rooted)										E
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓								

1995 RIVER HABITAT SURVEY: LAND USE WITHIN 50m OF TOP OF BANK

site no. 7338

	L	R		L	R
Coniferous woodland (BL)			Rough pasture (RP)		
Deciduous woodland (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Rough herbs/ rank vegetation (TH)	✓		Suburban/urban development (SU)	E	E

BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Vertical (>45°)			Reinforced - top only	✓	
Gentle			Reinforced - toe only	✓	
Terrace			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

WATERCOURSE AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

WATERCOURSE AND ASSOCIATED FEATURES (continued)

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence (select up to three features): GLIDE - NO PERCE...

1995 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.5	Banktop width (m)	6.00	Banktop height (m) 1.5
Embanked height (m)		Water width (m)	2.75	Embanked height (m)
		Water depth (m)	0.25	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose): ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Fords = Footbridges = Roadbridges = 1 (3) Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE AND ALIEN SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle, Rhododendron bushes

OVERALL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: DIRTY DOWNSTREAM! - SEEMS 'INDUSTRIAL'/SEWAGY PEOPLE IN BUSINESS NEXT DOOR CLAIMED IT WAS A CE - NOT SO! DOWNSTREAM V. SEWAGY

TREE CROPS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing — Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7341

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 010247 River: EBBLE

Date 4/7/1996 Time: 14:30 Surveyor name N GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☒ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT-CHECKS — Page 2 of 4

TALLY (use JMT) for - Riffles | Pools | Unveg side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within 4 x bf width (transect) ; 1 = one entry only)*

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,CE,LA,PE,CL,CC,SP,WP,GA,BA,BR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * *MV,BE,BO,CO,CF,SA,SI,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,OV,EL,SP,CU,FO,IR, Other - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,RW,UW,CF,RF,UP,SM,MP,NO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV,NO,BO,MB,VB,MT,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material *MV,BE,BO,CO,CE,LA,PE,CL,CC,SP,WP,GA,BA,BR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 4 x bf wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/SC	U	U	U	U	S	U	U	U	S	U
RIGHT BANK FACE *(structure)* BA/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	U	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES *(% cover in whole channel (vertical projection))*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs *Apium nodiflorum*	E	V	E	E	E	V	E	E	V	E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7341 — 1996 RIVER HABITAT SURVEY: SITE-SCALE — Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(for 4 x bf wide transect)*

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J VEGETATION STRUCTURE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☐	☐

K CHANNEL FEATURES

	None	Present	E	(1) STANDING WATER	None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	~~Marginal~~ deadwater	☐	☒	☐
Cascades(s)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*: DRY @ time of Survey (WINTERBORNE)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

L CHANNEL DIMENSIONS *(to be measured at one site on a straight and representative section, preferably at a riffle)*

LEFT BANK		Bankfop width (m)	4.0	RIGHT BANK	
Bankfop height (m)	0.25	Water width (m) WINTER CHANNEL	0.75	Bankfop height (m)	0.4
Embanked height (m)	/	Water depth (m)	DRY	*Embanked height (m)*	/

If trashline lower than bankfop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)*

M INFLUENCES *(features that restrict or alter flow)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = | Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF CHANNEL MANAGEMENT *(within 4 x bf wide transect)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O LOCATION OF SPECIAL INTEREST *(within 4 x bf wide transect)*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

P CHOKED CHANNEL *(within 4 x bf wide transect)*

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☒

Q INVASIVE PLANT SPECIES *(within 4 x bf wide transect)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL INFLUENCES *(within 4 x bf wide transect)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GRAZING

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Winterbourne - dry at time of survey.

S RIPARIAN ZONE *(within 4 x bf wide transect)*

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fenced | Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7343

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 288268 River: PARK WATER

Date 4/7/1996 Time: 12.45 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if none present)*

Riffles: Unvegetated point bars:

Pools: Vegetated point bars:

...ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS | Page 2 of 4

TALLY (inc 0ft) for - Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for 20 metres of channel within 5m wide transect)*

Spot check 1 is: upstream ☐ downstream ☒

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK *(functional zone)*										
Material *WR,BE,BO,CO,GS,LL,PE,CL,CC,ST,WP,CA,BR,RR,AR*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,FC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,MO,EC,BC,FB,VP,SB,VS*	SC	NO	SC	NO	NO	NO	NO	VS	NO	SC
CHANNEL										
Channel substrate *WV,BE,BO,CO,OF,SA,IR,CL,PE,AR*	SI	SI	SI	SI	SI	SI	SI	GP	SI	SI
Substrate shape *FL,OV,EL,IF,CU,FO,IR, Others - note*	NA	NA	NA	NA	NA	NA	FO	NA	FO	NA
Flow type *FF,CH,RW,UW,CF,RP,UP,SH,MP,NO*	NP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WV,MO,BO,MB,VB,MT,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK *(functional zone)*										
Material *WR,BE,BO,CO,GS,LL,PE,CL,CC,ST,WP,CA,BR,RR,AR*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,FC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WV,MO,EC,BC,FB,VP,SB,VS*	NO	NO	VS	NO	VS	NO	SC	VS	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be recorded over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, IC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	WL	BL	BL	BL	BL	WL	BL
LEFT BANK-TOP *(structure within 1m)* *BA/SC*	S	S	S	S	C	C	S	S	S	C
LEFT BANK FACE *(structure)* *BA/SC*	S	S	C	S	C	S	C	C	S	C
RIGHT BANK FACE *(structure)* *BA/SC*	S	S	S	C	C	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* *BA/SC*	U	U	S	S	C	S	S	U	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	BL	BL	BL	IG	IS	BL	BL

G CHANNEL VEGETATION TICKS *(record abundance for each plant)*

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens		✓		✓	✓	✓	✓		✓		✓
Emerg broad-leaved herbs	Epilobium			✓							
Emerg reeds/sedges/rushes	Sparganium Eleocharis Carex	✓	✓	F	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	Ranunculus	✓	✓		✓	✓	✓	✓	✓	F	✓
Free-floating											
Amphibious	Myriophyllum Nuphar	✓	✓				✓	✓	✓	✓	✓
Submerged broad-leaved	Callitriche	✓					✓	✓	✓		✓
Submerg fine/linear-leaved	Ranunculus						✓	✓	✓		✓
Filamentous algae					✓	✓		✓	F	✓	✓

SITE NO. 7343 1996 RIVER HABITAT SURVEY: SPOT CHECKS | Page 3 of 4

H LAND USE within 50m ZONE of TOP of BANK (LEFT) and (RIGHT)

	L	R		L	R
Woodland/mixed woodland *(BL)*	F	F	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	F	F
Scrub *(SC)*			Open water *(OW)*		✓
"tall herbs" mast vegetation *(TH)*		✓	Suburban/urban development *(SU)*		

I BANK SIDE COVER

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	F	F	Resectioned		
Vertical + toe			Reinforced - whole bank		
Slip (>45°)	F	F	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	☐	✓
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	✓	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	☐	✓	☐

Site predominant flow sequence *(select up to three features)*: GLIDE.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES | Page 4 of 4

L CHANNEL DIMENSIONS *(at top of bankside vegetation)*

LEFT BANK			RIGHT BANK	
Bankface height (m)	0.5	Bankface width (m)	10.0	Bankface height (m)
Embanked height (m)		Water width (m)	9.75	*Embanked height (m)*
		Water depth (m)	0.7	

If trashline lower than bankface break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(within and bankside)*

None ☒ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☒ >33% of site ☐

N MANAGEMENT ACTIVITY *(within and bankside)*

None ☐ Dredging ☐ Mowing ☒ Weed-cutting ☐
Embankment ☐ Other ? Some Banks for fishing (R+B)

O WATER QUALITY ASPECTS

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Shaded/side channels ☒ Natural open water ☒ Carr ☒
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NATURALISED NUISANCE PLANTS *(bankside and in channel)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron (Bankside)

R OTHER INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (siting) other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WOODLAND/WETLAND

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Excellent site for woodland / wetland, however the main channel is silting up.
> Orchids.

S ALDER

Alder? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and riparian classes — Sheet 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7356

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Weldon Gut

Date: 9/5/1996 Time: 17:00 Surveyor name: J.J. Accreditation code: PFII

Adverse conditions affecting survey? No (1) Yes (1) *If yes, state* .....

Bed of river visible? No (1) partially (1) entirely (1) *(tick one box)*

IFE single photograph: general character? No (1) Yes (✓) *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No (✓) Yes (1) *(tick one box)*

Site surveyed from: left bank (1) right bank (✓) channel (1) *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

(1) shallow vee — (1) concave/bowl *(If U-shaped glacial valley - add "U")*

(1) deep vee — (1) symmetrical floodplain

(1) gorge — (1) asymmetrical floodplain

Terraced valley floor? No (✓) Yes (1) | IFE - VALLEY FORM NOTES:

D NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 1 — Unvegetated point bars —

Pools 2 — Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS — Sheet 2 of 4

TALLY (use dot) for - Riffles | Pools | Using side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide (channel) zone)*

Spot check 1 = upstream (✓) downstream (1)

	1	2	3	4	5	6	7	8	9	10
ENHANCEMENT STATUS										
Material	BA	BM	BA	NO	BA	CA	BL	BA	BA	BA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SUBSTRATE										
Channel substrate	BL	NU	SI	NV	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NO	NO	NO	NO	NO	RP	RP	RP	NP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material	NV	NV	NV	NV	NV	NV	NV	NV	NV	BA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide (riparian) zone)*

Land use: choose one from BL, CP, OR, UH, IC, TH, IF, IC, IL, HE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	AC	NV	AC	AC	BL	SC	AC	BL	AC	MC
LEFT BANK-TOP *(structure within 1m)* BANDC	C	S	C	S	V	S	C	S	S	C
LEFT BANK FACE *(structure)* BANDC	C	S	C			S	C			S
RIGHT BANK FACE *(structure)* BANDC	C	S	C			S	C			S
RIGHT BANK-TOP *(structure within 1m)* BANDC	C	S	C	S		S	C	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	AC	NC	AC	NC	BL	AC	NC	NC	AC	NC

G RIPARIAN AND AQUATIC VEGETATION

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs					✓		✓	✓	
Emerg reeds/sedges/rushes							✓		
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved						✓			✓
Submerg fine/narrow-leaved									
Filamentous algae									

SITE NO. 7356 — 1996 RIVER HABITAT SURVEY DATA SHEET — Sheet 3 of 4

H CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓	✓	Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/semi-Natural			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + undercut			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	✓
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 1/5)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Undercover tree roots	✓	○	○
Fallen trees	○	✓	○
Coarse woody debris	○	✓	○

J CHANNEL FEATURES

	None	Present	E (≥ 1/5)
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	✓	○	○
Run(s)	○	○	✓
Pool(s)	○	✓	○
Glide(s)	○	✓	○

	None	Present	E (≥ 1/5)
Marginal deadwater	✓	○	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid-channel bar(s)	✓	○	○
Multiple islands(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (*select up to three features*): Run - Pool

1996 RIVER HABITAT SURVEY DIMENSIONS AND NOTES — Sheet 4 of 4

K CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.1	Banktop width (m)	0.5	Banktop height (m)	0.1
Embanked height (m)		Water width (m)	0.4	*Embanked height (m)*	
		Water depth (m)	0.05		

If trashline lower than banktop bank is steep, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) (✓) both ○

Location of measurement is: riffle ○ run or glide (✓) other ○ *(tick one box)*

L ANCILLARY HABITAT FEATURES

None ○ Number of: Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No (✓) Yes, <33% of site ○ >33% of site ○

M BANK MANAGEMENT

None ○ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State .....

N BANKSIDE LAND USE

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh (✓)
Leafy debris ○ Pits ○ Flush ○

O BANKSIDE VEGETATION

Is 33% or more of the channel choked with vegetation? NO (✓) YES ○

None (✓) Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mimle Rhododendron bracken

P ENVIRONMENTAL OBSERVATIONS

Major impacts: landfill - tipping - litter - damage - pollution - drought - abstraction - mill - dam - canal - oil -industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Fast section of downstream dim. end extremely overgrown with Cubus, low dam very small through pipe 2 mm! Path immediately on L bank.

Alien? None ○ Present (✓) Extensive ○ Diamond Alien? None (✓) Present ○ Extensive ○

1996 RIVER HABITAT SURVEY: SITE mod floodplain covers and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7359

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Rother

Date 15/5/1996 Time: 15 22 Surveyor name JJL Accreditation code. RF4

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (Enter total number)

Riffles	0	Unvegetated point bars	0
Pools	1	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of 4

TALLY (use ||| for 5) for: Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed at each spot check)

Spot check 1 = upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional 6mm										
Material *(see list)*	CA	EA	CA	CA	SA	CA	EA	CA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *(see list)*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional 6mm										
Material *(see list)*		EA	EA	CA			EA		CA	CA
Bank modification(s)		NO	NO	NO			NO		RS	NO
Bank feature(s)		NO	NO	NO			NO		NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from ..., CP, OR, WH, SC, TH, AF, AC, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	TL	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G PLANT SPECIES (TICK)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										✓
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating leaved (rooted)		✓	✓	✓	✓	✓		✓		
Free-floating										
Amphibious			✓				✓			
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae	✓	✓			✓	✓		✓		

SITE NO. 7359

H SUBSTRATE / FEATURES

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH) *			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Sloop (>45°)	E	E	Reinforced - top only		
Cliffs			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments	E	E

TREES *(tick one box per bank)*

	Left	Right
None	✓	✓
Isolated/scattered		
Regularly spaced, single		
Occasional clumps		
Semi-continuous		
Continuous		

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 33%)
Shading of channel	✓		
Overhanging boughs	✓		
Exposed bankside roots	✓		
Underwater tree roots	✓		
Fallen trees	✓		
Coarse woody debris	✓		

	None	Present	5 (≥ 33%)		None	Present	5 (≥ 33%)
Waterfall(s)	✓			Marginal deadwater	✓		
Cascade(s)	✓			Exposed bedrock	✓		
Rapid(s)	✓			Exposed boulders	✓		
Riffle(s)	✓			Unvegetated mid-channel bar(s)	✓		
Run(s)	✓			Vegetated mid-channel bar(s)	✓		
Bay(s)				Mature island(s)	✓		
Glide(s)				Unvegetated side bar(s)	✓		
Pool(s)			✓	Vegetated side bar(s)			

Indicate predominant flow sequence (*select up to three features*): 1

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INDICES Page 3 of 4

I CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.15	Bankop width (m)	10.20	Bankop height (m)	0.15
Embanked height (m)	—	Water width (m)	10	*Embanked height (m)*	—
		Water depth (m)	NK		

If trapezium lower than bankop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

J CHANNEL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

K CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

L FEATURES OF CHANNEL CONTROL

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Reeds	☐

Other (state) .....

M CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N PRESENCE OF ALIEN PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

O OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad marrin - heron - dragonflies/damselflies

Other significant observations:

P ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SURVEY OPTIONS CHECKLIST

TALLY (use DD) for - Riffles / Pools / Unveg. side bars / Veg point bars

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7360

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Rother

Date: 15.5./1996 Time: 11.38 Surveyor name: ... Accreditation code: ...

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state* ...

Bed of river visible? No ○ partially ○ entirely ○ *(tick one box)*

IFE single photograph: general character?, No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from: left bank ✓ right bank ○ channel ○ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

○ shallow vee ○ concave/bowl *(If U-shaped glacial valley - add "U")*

○ deep vee ○ symmetrical floodplain

○ gorge ✓ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles / Unvegetated point bars /

Pools 1 Vegetated point bars /

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SURVEY OPTIONS CHECKLIST

E. PHYSICAL ATTRIBUTES *(to be assessed over a 10m wide transect)*

Spot check 1 in sequence ✓ Run sequence ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *(BE,BO,CO,CB,SA,PE,ID,CC,ZB,WF,CA,MI,SH,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BH,EA)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(WP,PO,LC,SC,FR,WF,SD,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature										
Channel substrate * *(BE,BO,CO,DF,SA,GR,CL,PE,AR)*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *(T, CV, D, F, CU, FO, IR, Other - use)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *(FT,GI,BW,SW,CF,BF,UF,SH,MF,NO)*	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) *(WF,PO,RO,WA,*,*,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *(BE,BO,CO,CB,SA,PE,ID,CC,SP,WF,CA,MI,SH,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BH,EA)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(WF,PO,LC,SC,FR,WF,SD,VT)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: IE, CP, OR, HR, SC, TR, RP, IC, IL, WE, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* BANDC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BANDC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BANDC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BANDC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG

G. INCIDENTAL RECREATION / NAVIGATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)					✓					✓
Free-floating										
Amphibious				✓						✓
Submerged broad-leaved					✓	✓		✓	✓	
Submerg fine/filmy-leaved										
Filamentous algae				✓						

SITE NO. 7360

H. CHANNEL DIMENSIONS AND FLOW

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)		F	Suburban/urban development (SD)		

	L	R		L	R
Natural/semi-Nat			Artificial/mod/Nat		
Vertical/undercut			Reinforced		✓
Vertical + toe			Reinforced / whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

	Left	Right
None	○	○
Isolated/scattered	○	✓
Regularly spaced, single	○	○
Occasional clumps	✓	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥1/5)
Shading of channel	✓	○	○
Overhanging boughs	✓	○	○
Exposed bank-side roots	✓	○	○
Undercut bank-side roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	None	Present	E
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	✓	○	○
Run(s)	✓	○	○
Boil(s)	✓	○	○
Glide(s)	✓	○	○
Pool(s)	○	○	✓

	None	Present	E
Marginal deadwater	✓	○	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid-channel bar(s)	✓	○	○
Vegetated mid-channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence *(select up to three features)*: Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND PROFILES SHEET

H. CHANNEL DIMENSIONS AND FLOW

LEFT BANK		Bankop width (m)	20.2	RIGHT BANK	
Bankop height (m)	0.15	Water width (m)	20	Bankop height (m)	0.15
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If trashline lower than bankop level, indicate: height (m) = ... width(m) = ...

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ bedrock ✓

Location of measurement is: riffle ○ run or glide ○ other ✓ *(tick one box)*

I. CHANNEL MODIFICATIONS

None ○ Number of: Culverts = Weirs = Outfalls = Pools = 4
Fords = Bridges = Bridges = Other =
Is water impounded by weir/dam? ... No ○ Yes, <33% of site ○ >33% of site ○

J. RIPARIAN MANAGEMENT

None ✓ Dredging ○ Mowing ○ Weed-cutting ○
Enhancement ○ Other ? State ...

K. STATUS OF SURVEY

None ✓
Water(falls > 5m high ○ Artificial open water ○ Bog ○ Other (state) ...
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Fluvial ○

L. DETAILED CHANNEL SURVEY

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

M. NOTABLE PLANTS

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nottle Rhododendron bracken

N. OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tubing - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonfly/damselfly

Other significant observations: here dam / weir ... dam ... the past channel still shows ... Banks ... slumped ... Reaching ...

O. ARTIFICIAL IN-CHANNEL STRUCTURES

Added? None ○ Present ✓ Extensive ○ Diverted Added? None ✓ Present ○ Extensive ○

RIVER HABITAT SURVEY

BACKGROUND DATA AND SITE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number: 7363

Mid-site grid reference if different from designated location:

Grid Reference: SS 347173 River: Torridge

Date: 21/5/1996 Time: 10:30 Surveyor name: MG Accreditation code: PF65

Adverse conditions affecting survey? No ☐ Yes ☑ If yes, state: High flow

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box)

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl - (If U-shaped glacial valley - add 'U')
☑ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☑ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND TOTAL BANK LENGTH (metres) SURVEYED

Riffles 9 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO M. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY SPOT CHECKS

TALLY (use pbt) for - Riffles 114 Pools Unveg. side bars Veg point bars

A. SPOT CHECK ROUTINE

Spot check 1 = upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	SC	NO	NO	NO	NO	SC	NO	NO
Channel substrate	NU	NU	GP	GP	GP	GP	NU	NU	GP	GP
Substrate shape	NK	NK	PO	PO	PO	PO	NK	NK	PO	PO
Flow type	UP	GA	UP	RP	UP	UP	SM	RP	RP	UP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if modified							✓	✓		
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	SC	NO	SC	NO	SC	

B. ROOFTOP LAND USE AND VEGETATION STRUCTURE (to 50 m either side of channel)

Land use: choose one from: IE, CF, OR, HR, IC, IN, RP, HO, IL, WE, OW, EU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 5m)	C	J	J	S	S	S	S	U	C	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	U	S
RIGHT BANK FACE (structure)	U	U	S	S	S	C	S	S	S	C
RIGHT BANK-TOP (structure within 5m)	U	C	S	J	J	S	J	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	SC	RP

C. CHANNEL VEGETATION TYPES (Aquatic and Bankside)

NONE / PLANT GENERA - list first 5										
	✓	✓		✓			✓			
Bryophytes/lichens										
Emerg broad leaved herbs (Reeds)			✓		✓	✓				✓
Emerg reeds/sedges/rushes					✓				✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved (starwort)			✓		✓	✓		✓		✓
Filamentous algae										

RIVER HABITAT SURVEY

STR NO. 7363

A. LAND USE WITHIN 50m OF SURVEY

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (HE)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs - exot vegetation (TH)			Suburban/urban development (SU)		

B. BANK CONSTRUCTION

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Slump (>45°)	E	E	Reinforced - top only		
Gentle (<45°)	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankments		

C. FEATURES OF EROSION AND DEPOSITION

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercutting tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Pool - Riffle - Run

RIVER HABITAT SURVEY

A. CHANNEL DIMENSIONS (to be measured in each of the three spot check locations)

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.2	Bankop width (m)	4-0	Bankop height (m)	0-3
Embanked height (m)		Water width (m)	4-0	Embanked height (m)	
		Water depth (m)	0-25		

If trapezium between bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

B. ANCILLARY FEATURES (to be recorded in each of the three spot check locations)

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. RECENT MAN-MADE ENGINEERING (to be recorded in each of the three spot check locations)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

D. CHANNEL SUBSTRATE ALTERATIONS (to be recorded in each of the three spot check locations)

None	☐				
Waterfalls > 1m high	☐	Artificial open water	☐	Bog	☐ Other (state):
Bridge/side channels	☐	Natural open water	☑	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

E. BANKSIDE VEGETATION (to be recorded in each of the three spot check locations)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. BANKSIDE VEGETATION (to be recorded in each of the three spot check locations)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

G. RIVER HABITAT QUALITY (to be recorded in each of the three spot check locations)

Major impacts: landfill - tipping - mine - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Small cut off meander creating natural open water + meandering river running through grazed floodplain. Water levels high.

H. ALGAL GROWTH (to be recorded in each of the three spot check locations)

Algae? None ☑ Present ☐ Extensive ☐ Diatom Algae? None ☑ Present ☐ Extensive ☐

A: BACKGROUND MAP/AERIAL INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B: FIELD SURVEY DETAILS

Reference network site number: 7364

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 42.7158 River: Duntz

Date: 21/5/1996 Time: 15.40 Surveyor name: MH Accreditation code: PE65

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

C: PREDOMINANT VALLEY FORM *(tick one box only)*

✓ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D: SUBSTRATE AND FLOW

Riffles 15 — Unvegetated point bars 0

Pools 1 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CONSTRUCTION SHEET 2

TALLY (use BIG) for - Riffles | Pools | Unveg. side bars | Veg point bars

PHYSICAL STRUCTURE

Spot check 1 m upstream ☐ downstream ✓

	1	2	3	4	5	6	7	8	9	10
DOMINANT SUBSTRATE										
Material (BE,BO,CO,ES,BA,PE,CL,OC,SP,ME,SA,AR,ZM,OT)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RT,PC,BM,ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (BP,PO,EC,SC,PB,TP,SB,VT)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate (BE,BO,CO,CP,BA,SI,CL,PE,AR)	GP	GP	BE	CO	SI	GP	GP	GP	SI	GP
Substrate shape (FL,CP,CU,TP,CU,PO,IR, Others - see)	PO	PO	PO	PO	NA	PO	PO	PO	NA	PO
Flow type (FT,CH,PP,UP,CP,RP,UP,SM,HP,NO)	UW	RP	UW	RP	SM	SM	RP	RP	SM	SM
Channel modification(s) (NE,NO,CV,RS,RI,DA,NO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (BP,NO,PO,WB,WB,MO,IS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SIDE (looking downstream)										
Material (BE,BO,CO,CB,BA,PE,CL,OC,SP,ME,SA,AR,ZM,OT)	EA	CA	A	CA	CA	EA	CA	CA	CA	CA
Bank modification(s) (NE,NO,RS,RT,PC,BM,ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (BP,PO,EC,SC,PB,TP,SB,VT)	NO	NO	NO	NO	NO	PO	NO	NO	NO	NO

BANK TO LAND USE AND VEGETATION STRUCTURE (to be assessed for 10m either side)

Land use: choose one from BL, CP, OR, HR, SC, TH, SP, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	BL	BL	BL	C-	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BANK	S	S	S	S	C	C	C	C	C	C
LEFT BANK FACE (structure) BANK	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANK	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANK	S	S	S	S	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	C-	BL	BL	BL	BL	BL	BL

VEGETATION TYPE (Plant Genera - list first 5)

NONE / PLANT GENERA - list first 5				✓		✓			✓	
Bryophytes/lichens			✓							✓
Emerg broad-leaved herbs Iris, Mentha/Caltha	✓	✓		✓		✓	✓		✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae (Hormidium)				✓						✓

SITE NO. 7364

RIVER HABITAT SURVEY: CONSTRUCTION SHEET 3

LAND USE (within 50m of top of bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

CHANNEL SIDE MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe protection			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	☐	✓	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	☐	✓
Coarse woody debris	☐	☐	✓

CHANNEL DIVERSITY

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	☐	✓	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	✓	☐	☐
Pond(s)	☐	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): Riffle - Glide

RIVER HABITAT SURVEY: DIMENSIONS AND DUNGEONS

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	1.0	RIGHT BANK
Bankop height (m)	0.4	Water width (m)	1.0	Bankop height (m) 0.4
Embanked height (m)		Water depth (m)	0.5	Embanked height (m)

If trapezoid lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site in: consolidated (rock) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

NATURAL FEATURES (within 50m of top of bank)

None ✓ Number of: Cut-offs = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
In water impounded by weirdam? ✓ No Yes, <33% of site ☐ >33% of site ☐

ARTIFICIAL FEATURES (within 50m of top of bank)

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

DEPOSITED SEDIMENTS (within 50m of top of bank)

None ☐
Waterfalls > 1m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHANNEL VEGETATION

Is 11% or more of the channel choked with vegetation? NO ✓ YES ☐

BANKSIDE VEGETATION (within 50m of top of bank)

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notable Rhododendron bushes

DYNAMICS (within 50m of top of bank)

Major impacts: footfall - tipping - litter - sewage - pollution - drought - watercress - mill - dam - weed - mill industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - shiting - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Small stream running through unit unused.

ENGINEERING (within 50m of top of bank)

Arches? None ✓ Present ☐ Extensive ☐ Downstream Arches? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: FIELD SURVEY FORM

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 7365

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 530 163 River: Torrington Torridge

Date 22/5/1996 Time: 10:00 Surveyor name MG Accreditation code. PF65

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* High flow

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate if estimated)

Riffles 0 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: FIELD SURVEY FORM

TALLY (use flit) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 i.s. upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	NV	EA	EA	EA	EA	EA	NV	EA	EA
Bank modification(s)	NO	NK	NO	NO	NO	NO	NO	NK	NO	NO
Bank feature(s)	NO	NV	NO	SC	NO	NO	NO	NK	NO	SC
CHANNEL										
Channel substrate	CO	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	OV	NK	NK	NK	NK	NK	NK	NK	NK	NK
Flow type	UW	SM	SM	UP	UP	UP	RP	UP	UP	UP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	VB	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK FEATURES (if different from left)										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	SW	EM	NO	NO	NO	NO	EM	NO
Bank feature(s)	NO	NO	NO	NB	NO	NO	NO	NO	NB	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m x 10m square)

Land use: choose one from BL, CP, OR, HH, SC, IN, RP, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	CP	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	C	C	C	C	S	C	S	S	E	C
LEFT BANK FACE *(structure)* B/U/S/C	S	S	C	S	S	S	S	S	S	C
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	C	S	C	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	S	S	U	S	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	CP	CP	CP	CP

G PLANT SPECIES LIST (to be assessed over a 10m x 10m square)

NONE / PLANT GENERA - list first 5			✓	✓	✓	✓	✓	✓	✓	
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓	✓							✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7365 | 1996 RIVER HABITAT SURVEY: SHEET 2 of 3

H LAND COVER WITHIN 50m OF TOP (tick one box per bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)	E	E	Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		✓
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES AND ASSOCIATED FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Boil(s)	☐	☐	☑
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Boil - Glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)		22		Banktop width (m)	
Banktop height (m)	3.0	Water width (m)	20	Banktop height (m)	2.0
Embanked height (m)		Water depth (m) (pt wetted)	2.0	*Embanked height (m)*	3.0

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RIVER CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF SPECIAL INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

R WATER MANAGEMENT

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - soil - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large river in valley with some CP + IG (RB only). High bed load could prevent river bed being visible

S WOODY DEBRIS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (RHS) — Site 1 of 4

A. BACKGROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. HEADER DATA

Reference network site number: 7366

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 610145 River Mully Brook

Date 20.5./1996 Time: 12:50 Surveyor name MG Accreditation code PF65

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* Fairly high flow

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. SURVEY CHECKPOINTS, POOLS AND POOL BARS

Riffles 16 Unvegetated point bars 3

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) — SPOT CHECKS — Page 2 of 4

TALLY (use IIII) for - Riffles IIII / Pools Unveg. side bars Veg point bars

E. PHYSICAL ATTRIBUTES (to be measured / assessed within 1m wide (4 metres) channel)

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
BANK SPOT CHECKS (tick if modified)										
Material [BE,BO,CO,GE,SA,PE,CL,CC,SI,WT,GA,BR,BA]	CA	CA	EA	EA	EA	GA	CA	CA	EA	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,EN]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) [WP,PO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	SO	NO	SC	NO
CHANNEL (tick if modified)										
Channel substrate [WP,BE,BO,CO,CP,SA,SI,CL,PE,AR]	CO	CO	NV	CO	CP	CO	BE	GP	CO	CO
Substrate shape [FL,CV,EL,IF,CU,PO,IR, Others - note]	CO	PO	NK	PO	PO	PO	FL	CO	PO	PO
Flow type [FF,CH,BW,UW,CF,RP,UP,SW,WF,NO]	CH	AW	UW	UW	UW	NF	UW	UW	SM	RP
Channel modification(s) [NE,NO,CV,RS,RI,DA,FO]	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) [WP,NO,RO,MR,VR,MI,TR]	NO	NO	NO	NO	NO	NO	N	NO	NO	NO
RIGHT BANK SPOT CHECKS (tick if modified)										
Material [WP,BE,NO,CO,GS,LA,PE,CL,CC,SP,WP,GA,BR,SS,BW]	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) [NE,NO,RS,RI,PC,BM,EN]	NO	NO	NO	NO	NO	PC	NO	N	NO	NO
Bank feature(s) [WP,PO,EC,SC,PB,VP,SB,VS]	NO	NO	NO	NO	NO	NO	NO	NO	PB	NO

F. BANKTOP AND LAND USE AND VEGETATION STRUCTURE (to be assessed within 5m of the channel)

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	IG	IG	IG	BL	CP	CP	BL	BL
LEFT BANK-TOP (structure within 1m) BA/SC	S	C	C	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BA/SC	S	C	C	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	S	C	S	S	S	V	S	S	S	B
RIGHT BANK-TOP (structure within 1m) BA/SC	S	S	S	S	S	V	S	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	IG	IG	SU	IG	BL	BL	BL	IG

G. CANOPY, VEGETATION LAYERS (for each of 5 x 10 metre sections)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Rmonthe	✓		✓		✓				✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7366 — RIVER HABITAT SURVEY (RHS) — Page 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)	✓		Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)	✓	

I. BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite		✓	Artificial two-stage		
			Pooched		✓
			Embanked		
			Set-back embankments		

J. OVERHANGING FEATURES AND ASSOCIATED FEATURES

TREES *tick one box per bank*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K. FEATURES AND FREQUENCY

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☐	☑	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle - Run

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RIVER HABITAT SURVEY (RHS) — DIMENSIONS AND INFLUENCES — Page 4 of 4

L. CHANNEL DIMENSIONS (to be measured / assessed within 1m wide (4 metres) channel)

LEFT BANK					RIGHT BANK
Banktop height (m)	0.65	Banktop width (m)	3.0	Banktop height (m)	0.5
Embanked height (m)		Water width (m)	3.0	*Embanked height (m)*	
		Water depth (m)	0.10		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M. CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT (tick all that apply)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O. FEATURES OF SPECIAL INTEREST (tick all that apply)

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Pan	☐	Flush	☐

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. NOTABLE OCCURRENCE OF NON-NATIVE PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL RIVER CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small wooded stream in cattle grazed valley, some poaching between spot checks 5 + 6

S. ALDERS AND DISEASED ALDERS (tick all that apply)

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

BACKGROUND MAPPED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7367

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 293197 River: Little Dart

Date: 7.5.1996 Time: 16:45 Surveyor name: MG Goodlad / Nicky Hudson Accreditation code: PF65/PF66

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF POINT BARS AND NUMBER OF SPOT CHECKS

Riffles 6 Unvegetated point bars 5

Pools 1 Vegetated point bars 1

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Site unsuitable

RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use DS) for - Riffles ||| Pools | Unveg. side bars | Veg point bars |

SURVEY ATTRIBUTES

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material *(BE,BA,CO,CB,AA,PE,CL,CC,SI,OR,PA,BH)*	BE	EA	EA	EA	BE	BE	EA	NV	BE	CO
Bank modification(s) *(NE,NO,RS,RI,PC,BH,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(BP,NO,EC,BC,FB,VP,SB,VS)*	NO	PB	NO	SB	NO	NO	NO	VP	NO	NO
CHANNEL SPOT CHECK										
Channel substrate *(BE,BO,CO,CP,SI,SI,CL,PE,AA)*	CO	CO	CO	CO	CO	CO	CO	PO	CO	CO
Substrate shape *(TL,CV,CL,SP,CU,FO,OR, Others - note)*	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type *(FF,CH,RW,UW,CF,SF,UP,SM,BP,NO)*	SM	RP	RP	SM	SM	SM	RP	RP	RP	PP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(BV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECK (if functional)										
Material *(BE,BO,CO,CB,EA,PE,CL,CC,SI,BR,OR,PA,BH)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BH,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(BP,NO,EC,BC,FB,VP,SB,VS)*	SB	SC	SB	NO	NO	NO	NO	SC	SC	NO

PLANT SPECIES AND VEGETATION STRUCTURE (within and over 1m of bankline)

Land use: choose one from IE, CP, OA, AR, SC, IN, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	IG	DE	IG	IG	IG	IG	BL	BL	IG	IG
LEFT BANK-TOP *(structure within 1m)* S/U/S/C	C	S	C	C	C	C	C	C	C	U
LEFT BANK FACE *(structure)* S/U/S/C	C	S	S	S	C	S	C	C	S	C
RIGHT BANK FACE *(structure)* S/U/S/C	S	C	S	C	S	C	C	S	S	C
RIGHT BANK-TOP *(structure within 1m)* S/U/S/C	S	C	S	C	S	C	S	U	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	IG	BL	IG

PLANT SPECIES AND VEGETATION STRUCTURE (within and over 1m of bankline)

NONE / PLANT GENERA - list first 5	✓		✓			✓				
Bryophytes/lichens				✓	✓				✓	✓
Emerg broad-leaved herbs Oenanthe				✓						✓
Emerg rush/sedge/reedmace										
Floating-leaved (moss)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae Cladophora		✓		E			✓	=	✓	✓	✓

ITE NO. 7505 | RIVER HABITAT SURVEY: SPOT CHECKS

SURROUNDING LAND USE (within 50m of bankline)

	L	R		L	R
Coniferous/mixed woodland (BL)	✓	✓	Rough pasture (RP)		✓
Deciduous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

BANK AND SIDE CHANNEL MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Revetmented		
Vertical + toe			Reinforced - whole bank		
Slip (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Spoil			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/occasional	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed backside roots	☐	☐	☑
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

PRESENCE OF FLOW FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Site predominant flow sequence (*select up to three features*):

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	11.5	RIGHT BANK	
Bankfull height (m)	1.40	Water width (m)	10	Bankfull height (m)	1.40
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trapezium lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CONSTRUCTION AND MODIFICATION

None ☐ Number of: Culverts = Weirs = Outfalls = 1 Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

INFRASTRUCTURE AND MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State .....

NATURAL FEATURES OF GEOMORPHOLOGICAL INTEREST

None ☐

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/wide channels	☐	Natural open water	☑	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

PROTECTED SPECIES AND NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER MANAGEMENT

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Weather ... Help with site ... Planning for lack of rainfall ... Cattle grazing two sides of bank

ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7568

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Lime Ghyll

Date 2 / 1 /1996 Time: 13.40 Surveyor name M Gough / NN Accreditation code. 755 / 1166

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

HFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | HFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (mid-channel)

Riffles	16	Unvegetated point bars	2
Pools	2	Vegetated point bars	0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS

TALLY (use ||||) for - Riffles 10 - |||| \ Pools 0 | Unveg midd bars 0 | Veg point bars 1

E PHYSICAL ATTRIBUTES (for the nearest sweep downstream)

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
BANK TOP STICKS										
Material * MV,BE,BO,CO,CB,EA,PE,CL,CC,SI,MP,CA,BR,SH,BW	BE	CA	CC	CO	CA	SA	EA	CA	SI	SI
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) MV,NO,EC,SC,PB,VP,SB,VS	NO	NO	NO	EC	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate * MV,BE,BO,CO,GP,SA,SI,CL,PE,AR	CO	CO	CO	CO	CO	CO	CO	BE	CO	CO
Substrate shape FL,CN,EL,SP,CU,PO,BL,Others - note	PO	PO	PO	PO	PO	PO	PO	IR	PO	PO
Flow type * FF,CH,BW,UW,CF,RP,UP,SM,MP,NO	SM	RP	SM	UW	RP	SM	RP	SM	SM	UW
Channel modification(s) NE,NO,CV,RS,RI,DA,FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) MV,NO,RO,MB,VB,MI,TR	NO	NO	NO	MB	NO	NO	RO	NO	NO	RO
RIGHT BANK STICK (fractional forms)										
Material * BE,BO,CO,GE,EA,PE,CL,CC,SI,MP,CA,BR,SH,BW	SA	CL	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NE,NO,RS,RI,PC,BM,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) MV,NO,EC,SC,PB,VP,SB,VS	SB	EC	EC	NO	NO	NO	NO	NO	NO	NO

F BANK-TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CP, OR, MH, SC, IH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	RP	IG	IG	SC	SC	IG	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BA/US/C	C	C	U	U	S	C	C	C	C	C
LEFT BANK FACE (structure) BA/US/C	C	C	C	B	U	S	C	S	C	S
RIGHT BANK FACE (structure) BA/US/C	S	S	S	S	C	S	S	S	B	B
RIGHT BANK-TOP (structure within 1m) BA/US/C	U	U	S	S	S	U	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	RP	RP	RP	IG	RP	RP	IG	RP

G CHANNEL VEGETATION TYPES (for the nearest sweep downstream)

NONE / PLANT GENERA - list first 5					✓	✓				
Bryophytes/lichens	✓						✓	✓	✓	✓
Emerg broad-leaved herbs (Dominant, (D) Cap)			✓	✓			✓		✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓			✓	✓	✓	✓

SITE NO. 7568 — 1996 RIVER HABITAT SURVEY SPOT CHECKS — CROP(S)

H LAND USE WITHIN 50m OF BANKTOP (mid-channel)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)		

I BANK PROFILES (mid-channel)

	L	R		L	R
Natural/unmodified	✓	✓	Artificial/modified		
Vertical/undercut			Recectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND SCATTERED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): R ... Run ... Glide

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS (to the nearest 0.1m)

LEFT BANK				RIGHT BANK
Banktop height (m)	1	Banktop width (m)	7	Banktop height (m) 1
Embanked height (m)		Water width (m)	5	*Embanked height (m)*
		Water depth (m)	0.15	

If trashline lower than banktop break is slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (within and bordering the channel)

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF CHANNEL MANAGEMENT (within and bordering the channel)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF SPECIAL INTEREST (within and bordering the channel)

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE PLANTS (within and bordering the channel)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nentic Rhododendron bracken

R OVERALL HUMAN IMPACTS (within and bordering the channel)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Grass Carp : Wild : ... Water ... Weed ... Water ...

S ALDERS (AGE)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with TBN mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7376

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: CAM

Date 14/5/1996 Time: 15:44 Surveyor name P. Scarlett Accreditation code PF 35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ✓ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee
☐ deep vee
☐ gorge
☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
✓ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(Indicate total number)*

Riffles	Unvegetated point bars
Pools 3	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use 'M' for Riffles Pools ||| Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 = upstream ... downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional fence	✓				✓	✓				
Material *(we BE BO CO CB SA FI CL CC SI VE GA BE BR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(s) *(NE NO RS RI PC BM TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NE NO EC SC PB VP SB VS)*	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO
CHANNEL NB: NEW - substrate/shape codes = *Flat Orchid Elongate Wheeled Cobbled Polyhedral Elongated Other - see*										
Channel substrate *(BE BO CO CP SA SI CL PC AR)*	BP	BP	BP	SI	BP	SI	SI	BP	BP	BP
Substrate shape *(T, UP TI, U CU PO BL, Other - see)*	NV	IR	IR	/	NV	/	/	NV	IR	NV
Flow type * *(UP, GN RW, UW CP, EP, UP, SM MP, BW)*	SM	SM	SM	SM	SM	SM	BP	NP	BP	BP
Channel modification(s) *(NE NO CV RS, RI DA, FE)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NE, NO RO MR, VB MT, IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional fence	NO					✓	✓	✓	✓	✓
Material *(BE, BO CO CB SA FI, CL, CC SI, VE GA, BE, BR)*	EA	EA	EP	EA	EA	EA	EA	EA	EP	EA
Bank modification(s) *(NE, NO RS, RI, PC, BM, UR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NE, NO EC, SC, PB, VP, SB, VS)*	NO	EC	NO	EC	EC	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: BL, CP, OR, WH, BC, TH, EP, IG, TL, WL, OW, OU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	SC	IS	BL	BL	IS	IS	IS	IS	SC
LEFT BANK TOP *(structure within 1m)* MMSC	S	S	S	S	S	C	S	S	U	S
LEFT BANK FACE *(structure)* MMSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* MMSC	S	B	S	S	B	B	S	S	S	S
RIGHT BANK TOP *(structure within 1m)* MMSC	S	BU	S	S	S	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IH	SC	IS	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES *(10m wide transect: E (≥ 33% area) or tick (present) 50m each side)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/fine leaved		✓								
Filamentous algae		✓	/			/	/			/

ITE NO. 7376 — RIVER HABITAT SURVEY: SITE DETAILS — Page 3 of 4

SITE DETAILS

	L	R		L	R
Semi-natural woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		E
Parkland/heath (MM)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	/	/	Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

BANK PROFILES

	L	R		L	R
Natural/semi-natural	E	E	Artificial/modified		
Vertical or near vertical			Resectioned		
Steep (>45°)	✓	✓	Reinforced - whole bank		
Mid			Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regular(ly) spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	☐	✓

CHANNEL DIMENSIONS AND FLOW

	None	Present	E (>33%)
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	☐	☐
Run(s)	☐	✓	☐
Pool(s)	✓	☐	☐
Chute(s)	☐	☐	✓
Flash(s)	☐	✓	☐

	None	Present	E (>33%)
Marginal deadwater	☐	☐	✓
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Locate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES — Page 4 of 4

CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK				RIGHT BANK	
Banktop width (m)			5.20	Banktop width (m)	
Banktop height (m)	1.20	Water width (m)	4.70	Banktop height (m)	1.60
Embanked height (m)		Water depth (m)	0.50	Embanked height (m)	

If trafficker lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐

Location of measurement is: riffle ☐ run or glide ✓ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ✓ Number of - Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

OBSTRUCTED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

CONSPICUOUS NUISANCE PLANT SPECIES

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nerds Rhododendron bracken

LAND USE CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - fishing - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: much woody debris in stream, reeds leaning out. one v. small stretch of RS on R (recent).

ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE mods for plant genera and checks Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7377

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: STOUR

Date 13/5/1996 Time: 16:15 Surveyor name P Follett Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: THIN SPOT CHECK Page 2 of

TALLY (use 1/1) for - Riffles Pools Unveg. side bars Veg point bars

H PHYSICAL ATTRIBUTES *(for a standard normal channel within a 1 m wide transect)*

Spot check 1 is upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material *NT,BE,BO,CO,CS,EA,PE,CL,CC,ZP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VI*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape *FL,CV,EL,2P,CU,PO,IR, Others - note*	/	/	/	/	/	/	/	/	/	/
Flow type * *FF,CH,BW,UW,CF,EP,LIP,BW,WP,NO*	NP	SM	SM	SM	NP	SM	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	N	NO	NO	NO	NO
Channel feature(s) *NV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material *NT,BE,BO,CO,CS,EA,PE,CL,CC,ZP,WP,GA,BR,RR,RW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VI*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IE, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* *BA/US/C*	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* *BA/US/C*	U	U	U	S	U	U	U	U	S	S
RIGHT BANK FACE *(structure)* *BA/US/C*	S	S	S	U	S	S	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* *BA/US/C*	U	S	U	B	U	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	BL	BL	TH	TH

G CHANNEL VEGETATION TYPES *(Plant genera - list first 5)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5							/			
Bryophytes/lichens										
Emerg broad-leaved herbs				/				/	/	
Emerg reeds/sedges/rushes	/	/	/	/	/	/		/	/	/
Floating-leaved (rooted)	/		/		/		/	/		/
Free-floating				/						
Amphibious								/	/	
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7377 1996 RIVER HABITAT SURVEY: SWEEP-UP

I LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*	---	---
Tall herbs* rank vegetation (TH)		✓	Suburban/urban development *(SU)*		

J BANK CONDITION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Gentle	✓	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

K TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

L CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE Page 3 of

M CHANNEL DIMENSIONS *(to be measured at bankfull stage at a riffle, pool or glide)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	NK	Banktop width (m)	NK	Banktop height (m)	0.70
Embanked height (m)		Water width (m)	NK	*Embanked height (m)*	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

N ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

O EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

P FEATURES OF CONSERVATION INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

Q CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

R NOTABLE NUISANCE PLANTS *(Indicate dominants)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

S OVERALL ASSESSMENT

Major impacts: headfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies damselflies

Other significant observations: 1 ok holes in open fields then wood on RB. Very slow flowing almost NP, deep - large stands of reed along much of bank

T CATCHMENT

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with HER mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7378

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Stour

Date 13/5/1996 Time: 18:00 Surveyor name P Scarlett Accreditation code IF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS — Page 2 of 4

TALLY (use ||||) for - Riffles | Pools | Unveg. side bars | Veg point bars

B. PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = one entry only

Spot check 1 at upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RL	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate '	SI	NV	NV	SI	SI	SI	SI	NV	NV	NV
Substrate shape	/	/	/	NV	LR	NV	NV	/	/	/
Flow type '	SM	SM	SM	SM	SM	SM	SM	SM	RI	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	VB	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material '	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	RL	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	SC	IG	IG	IG	IG	TH	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	U	U	S	U	S	S	S
LEFT BANK FACE *(structure)* BA/US/C	U	U	S	S	B	S	U	U	S	S
RIGHT BANK FACE *(structure)* BA/US/C	U	S	U	S	B	U	U	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	TH	TH

G. CHANNEL VEGETATION TYPES *(within 1m of bankline (transect) 500m*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens					/					
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	/	/	/	E		/	E	/	/	/	/
Floating-leaved (rooted)		/					/	/			/
Free-floating										
Amphibious									✓	
Submerged broad leaved										
Submerg fine/linear-leaved										/
Filamentous algae					/					/

TE NO. 7378 — 1996 RIVER HABITAT SURVEY: 500m SWEEP UP

H. LAND USE WITHIN 50m OF BANKTOP (Tick all that apply)

	L	R		L	R
...ciduous/mixed woodland *(BL)*			Rough pasture *(RP)*		
...niferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	E	E
...chard *(OR)*			Tilled land *(TL)*		✓
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...rub *(SC)*			Open water *(OW)*		
...ll herbs' *rank vegetation (TH)*	✓	✓	Suburban/urban development *(SU)*		

I. BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
...tical/undercut	✓	E	Resectioned		
...ical + toe			Reinforced - whole bank		
...steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
...sposite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Bend(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

...cate predominant flow sequence *(select up to three features)*: riffle | run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop width (m)			NK		
Banktop height (m)	1.50	Water width (m)	NK	Banktop height (m)	1.70
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M. ANTHROPOGENIC FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = ☑ Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. EVIDENCE OF RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O. FEATURES OF SIGNIFICANT INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. BANK NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wag(tail) - sand martin - heron - dragonflies/damselflies

Other significant observations: 1st half dry. Flow flowing glide with ... reckoning. Part of RB, then ... vegetated mid CHs and ... ?

S. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mods (or plant species and cover) Page 1 of 4

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY OBSERVATIONS

Reference network site number: 7379

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: TARRANT

Date: 14.5./1996 Time: 18.30 Surveyor name: P Seabett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☑	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total observed)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
I. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of

Habitat (use HH) for: Riffle Pool: Unveg side bars Veg point bars

H PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * one quality only

Spot check 1 to upstream downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓							
Material *	EA	EA	EA	EA	EA	EA	ES	EA	ES	ES
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - INEW - substrate/shape codes *										
Channel substrate *	SP	SP	SP	SP	SP	SI	SI	SP	SP	SI
Substrate shape	ER	NV	NV	NV	NV	/	NV	NV	NV	NV
Flow type *	NP	NP	SM	NP	NP	NP	NP	NP	NP	SM
Channel modification(s)	NO	NO	ID	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence	✓									
Material *	EA	EA	EA	EA	EA	EA	EA	ES	ES	ES
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

I BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from ...

LAND USE WITHIN 5m OF BANKTOP (L)	SU	TU	SU	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)*	U	U	C	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)*	U	U	U	U	U	U	S	U	U	U
RIGHT BANK FACE *(structure)*	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)*	C	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TL	TL	TR	TL	TL	TL	TL	TL	TL

J CHANNEL VEGETATION TYPES (10m ... 1% area) or tick (present) 500m ...

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs *Phragmites Iris aquatica Lek*	E	E	E	E	E	E	E	E	E	E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filamentous-leaved										
Filamentous algae	E	E	E	# ✓	E	✓	✓	✓	E	

SITE NO. 7379 1996 RIVER HABITAT SURVEY: DOMINANT ... Page 3 of

K DOMINANT ... (tick one box per bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)		✓	Suburban/urban development (SU)	E	✓

L ARTIFICIAL AND ... (tick one box per bank)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unbanked			Resectioned		
Vertical + toe ...			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

M PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	✓	☐	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

N PRESENCE OF WATERFALLS, RIFFLES, POOLS AND ...

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	✓	☐	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ... Page 4 of

O CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	4.0	RIGHT BANK	
Bankop height (m)	0.60	Water width (m)	2.0	Bankop height (m)	0.50
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trubbles lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ✓ *(tick one box)*

P ... OBSERVATIONS

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = Other =
Is water impounded by weir(s)? No ☐ Yes, <33% of site ☐ >33% of site ☐

Q ... MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

R ... FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

S ... CHOKING

Is 33% or more of the channel choked with vegetation? NO ☐ YES ✓

T ... PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (list) Rhododendron bushes

U ... IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - canal - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: channel very choked with vegetation, (mostly) restrictions is old. bridge, but put near house and road.

V ... ALDERS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE modified for plant genera and riparian structure — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7380

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ALLEN

Date 15/5/1996 Time: 10.00 Surveyor name: P Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box each)

	☐ shallow vee		☐ concave/bowl *(If U-shaped glacial valley - add "U")*
	☐ deep vee		☑ symmetrical floodplain
	☐ gorge		☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (tick box & total number)

Riffles	7	Unvegetated point bars	
Pools	1	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
C. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SITE SPOT-CHECKS — Page 2 of 4

TALLY (use [///] for ·) Riffles //// // Pools | Unveg. side bars | Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel at each 'd' & 1 = wide transect)

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	EA	EA	EA	BS	BS	EA	BS	BS	EA
Bank modification(s)	No	No	NO	PC	NO	No	No	No	No	No
Bank feature(s)	No	No	NO	NO	No	No	NO	No	No	No
CHANNEL										
Channel substrate	BP	PP	PP	PP	PP	BP	BP	PP	BP	PP
Substrate shape	LR	LR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	SM	SM	SM	SM	SM	RP	SM	RP	SM	RP
Channel modification(s)	No	No	No	No	No	NO	NO	No	NO	NO
Channel feature(s)	No	No	No	No	NO	No	NO	No	No	No
RIGHT BANK TICK if functional fence	✓	✓	✓							
Material	BS	BS	EA	BS	EA	EA	EA	BR	EA	EA
Bank modification(s)	No	No	NO	PC	NO	No	No	Ri	PC	PC
Bank feature(s)	No	NO	NO	NO	NO	NO	No	NO	A	

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from W, CF, OR, MH, SC, IN, EP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) SU/SC	U	U	S	U	S	S	U	U	C	U
LEFT BANK FACE (structure) SU/SC	S	S	U	B	U	U	S	S	S	U
RIGHT BANK FACE (structure) SU/SC	U	U	U	U	U	U	S	U	U	U
RIGHT BANK-TOP (structure within 1m) SU/SC	U	U	U	U	S	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	UR	TH	BL	SU	RP	RP

G CHANNEL VEGETATION TYPES (% of 10 spot-checks)

NONE / PLANT GENERA - list first 5											
Bryophytes/lichens		✓		✓						✓	
Emerg broad-leaved herbs	nasturtium officinale	✓	✓	E	✓	✓	E	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	Phalaris			✓	✓							✓
Floating-leaved (rooted)												
Free-floating	Lemna	✓			✓		✓					✓
Amphibious						✓						✓
Submerged broad-leaved												
Submerg fine/linear-leaved	ranunculus	✓	E	E	✓	✓	E	✓	✓	✓	✓	E
Filamentous algae		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 7380 — 1996 RIVER HABITAT SURVEY: SITE SKETCH

C SITE SKETCH

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)	E	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		✓
All herbs* except vegetation (TH)		✓	Suburban/urban development (SU)	✓	✓

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Sloping (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		✓
Composite			Artificial two-stage		
			Recharged	✓	✓
			Embanked		
			Set-back embankments		

D CHANNEL MODIFICATIONS AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bend(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): glide / run

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

E CHANNEL DIMENSIONS (to be assessed at each 'd' & 1 = wide transect)

LEFT BANK				RIGHT BANK	
Banktop width (m)	6.70	Banktop width (m)		Banktop height (m)	0.35
Banktop height (m)	0.30	Water width (m)	6.0	Embanked height (m)	
Embanked height (m)		Water depth (m)	0.25		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

F CHANNEL FEATURES

None ☐ Number of Culverts = Weirs = 2 Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

G RIVER CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State .....

H CHANNEL SIDE FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☑	Carr	☐
Debris dams	☐	Weir upstream	☐	Marsh	☐
Leafy debris	☐	Pan	☐	Flush	☐

I CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

J BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

K LAND USE/MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - lowland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Chalk chalk river. Many fish in brook. Lots of veg to left. Much aq vegetation in bank esp. surrounding open water & also I deeply choked water which feeds into river.

L BANKSIDE TREES

Alders? None ☑ Present ☐ Excessive ☐ Diseased Alders? None ☑ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and percent Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEYOR DATA

Reference network site number: 7387

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 791107 River: UN-NAMED Trib of EMS.

Date 22/7/1996 Time: 14.30 Surveyor name: J. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☒ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND OTHER FEATURES *(whole site)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use DH) for - Riffles Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)* ✓ = one entry only

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional zone										
Material *(SI,SC,SG,CO,CS,EA,PE,CL,CC,SP,VP,GA,BR,BA,RW)*	EA	FA	EXCO	EA	EA	BR	EA	FS	EX	
Bank modification(s) *(ME,MO,RS,RI,PC,BM,EM)*	RS	RS	RS	RI	RS	RS	RI	RS	RS	
Bank feature(s) *(HV,HO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL										
Channel substrate *(HP,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	GP	GP	GP	SI	GRAVEL	GP	GP	GP-SI(C)
Substrate shape *(FL,OV,EL,SP,CU,FO,IR, Others - note)*	PO	PO	PO	PO	PO	NA	NA	RO	PO	PO
Flow type *(FF,CH,RW,UW,CF,RF,UP,SM,HP,NO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) *(ME,MO,RS,RI,DA,FO)*	RS	RS	RS	RS	NO	NO	RS	NO	NO	NO
Channel feature(s) *(HV,HO,RO,MB,VB,MI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone	✓						✓	✓	✓	
Material *(SW,SC,SG,CO,CS,EA,PE,CL,CC,SP,VP,GA,BR,BA,RW)*	EA	EA	EA	EA	EA	CO	EA	EA	EX	
Bank modification(s) *(ME,MO,RS,RI,PC,BM,EM)*	RS	RS	RS	RS	RS	RI	RS	NO	NO	
Bank feature(s) *(HV,HO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	TH	IG	SU	SU	SU	SU	TH
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	U	U	U	S	S	U	U	S
LEFT BANK FACE *(structure)* BA/US/C	C	C	C	U	U	S		S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	U			S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	S	U	S		S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	SU	SC	SU	SU	SU	SU	TL

G CHANNEL VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5	✓	✓	✓			✓	✓		✓	✓
Bryophytes/lichens				✓				✓		✓
Emerg broad-leaved herbs									✓	
Emerg reeds/sedges/rushes	Phalaris			✓				✓		✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

CJ V2.V 26.1 FL41

SITE NO. 7387 1996 RIVER HABITAT SURVEY: 200m SWEEP DATA Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(within 2 m of banktop)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		✓	Rough pasture *(RP)*	✓	
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	
Orchard *(OR)*			Tilled land *(TL)*	✓	E
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' rank vegetation (TH)	✓	✓	Suburban/urban development *(SU)*	E	E

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)		✓	Reinforced - top only		
Gentle			Reinforced - toe only	✓	
Composite			Artificial two-stage :		
			Poached		
			Embanked		
			Set-back embankments		

J CHOSEN FACTORS AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K BACKGROUND WATER FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☒	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Bed(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence *(select up to three features)*: DRY.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at spot-check sites on a straight reach of representative cross-section)*

LEFT BANK				RIGHT BANK	
Banktop width (m)		Banktop width (m)	4-0		
Banktop height (m)	0-6m	Water width (m) CHANNEL FLOOR	2.75	Banktop height (m)	0-65
Embanked height (m)		Water depth (m)	DRY	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☒ *(tick one box)* DRY

M ARTIFICIAL OBSTRUCTIONS *(within 50m of banktop)*

None ☐ Number of Culverts = 1 Footbridges = 3 Weirs = Roadbridges = 2 Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT ENGINEERING WORKS *(within 50m of banktop)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

O FEATURES OF RECENT ENGINEERING WORKS *(within 50m of banktop)*

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (static) .....

P CHOKED WATERCOURSE *(within 50m of banktop)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q NOTABLE PLANTS *(within 50m of banktop)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

R DEGRADATION *(within 50m of banktop)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = MOSTLY SUBURBAN (village)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small channel, running through gardens in village - mostly modified. Dry for at LEAST 2 yrs! Tops & Bottom end more open.

S ALDER *(within 50m of banktop)*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☐ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with add-ons for plant species and siltation Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B DETAILED SURVEY DETAILS

Reference network site number: 7390

Mid-site grid reference of network site if different from designated location:

Grid Reference: TQ 075150 River: STOR

Date: 21/9/1996 Time: 1739 Surveyor name: P. Faulkner Accreditation code: PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☑	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate 'none' if absent)*

Riffles		Unvegetated point bars	
Pools	15	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY IN SPOT CHECKS Page 2

TALLY (use 'tiff') for - Riffles Pools Unveg. side bars Veg point bars

J PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect) - tick one only*

Spot check 1 is upstream / downstream ?	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES										
Material *(BE,BO,CO,CS,SA,PE,CL,CC,SP,VP,OA,BA,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RA,RI,PC,BM,EN)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NO,EC,BC,FA,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate * *(BE,BO,CO,CP,SA,SI,CL,PE,AR)*	BL	BL	BL	SA	SA	SA	SA	SA	SA	SA
Substrate shape *(T, CH, CI, SP, CU, FO, IR, Others - state)*	IR	IR	IR	NA	NA	NA	NA	NA	NA	NA
Flow type * *(FF,CH,RW,UW,CP,SP,UP,SM,NP,NO)*	SM	SM	SM	NP	SM	SM	SM	SM	SM	NP
Channel modification(s) *(NE,NO,CV,RS,SI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ATTRIBUTES (looking downstream)										
Material *(BE,BO,CO,CS,SA,PE,CL,CC,SP,VP,OA,BA,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RA,RI,PC,BM,EN)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,BC,FB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

K BANKTOP/LAND USE AND VEGETATION STRUCTURE *(Land within 5m of the waterfront)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	R	S	S	R	E	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	B	B	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	I	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	TH	BL	BL	BL	BL

L CHANNEL VEGETATION TYPES *(Estimate % cover for each vegetation type)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/					/				
Emerg reeds/sedges/rushes						/				
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 1390 1996 RIVER HABITAT SURVEY 500m SWEEP-UP FORM Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP *(Use 0-100% scale)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		

M BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	/	/	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

N EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed backside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

O CHANNEL MODIFICATIONS AND CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal dead water	☐	☑	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☑	☐
Poof(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4

P CHANNEL DIMENSIONS *(to be measured at the mid site on a straight uniform section, preferably across a riffle)*

LEFT BANK		Banktop width (m)	2.70	RIGHT BANK	
Banktop height (m)	0.60	Water width (m)	0.40	Banktop height (m)	0.60
Embanked height (m)		Water depth (m)	0.02	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐ E

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)* NE

Q ARTIFICIAL FEATURES *(Count all features within 50m of the waterfront)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 3 Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

R EVIDENCE OF CHANNEL MANAGEMENT *(Within 50m of the waterfront)*

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

S NATURAL FEATURES *(Within 50m of the waterfront)*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

T CHOKED CHANNEL *(Within 50m of the waterfront)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

U NOTABLE PLANTS *(Within 50m of the waterfront)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nerdle Rhododendron bracken

V MAJOR IMPACTS *(Within 50m of the waterfront)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small stream through woodland, many pools (ash, muddy) silty and there has been little vegetation (due to shade), appears to belong clubs (since 2.5).

W ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVERFLY HABITAT SURVEY with IFE tools for plant growers and fencers

Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7347

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Oreda

Date 13/5/1996 Time: 16 36 Surveyor name JL Accreditation code. PF47

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character?. No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

- ☑ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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RIVERFLY HABITAT SURVEY RUN SHEET

TALLY (use dot) for : Riffles Pools Unveg. side bars Veg point bars

E. PHYSICAL ATTRIBUTES

Spot check 1 in upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
PLANAR SECTION										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SECTION										
Channel substrate	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	SwF	SwF	SwF	SwF	SwF	SwF	SwF	SwF	SwF
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NS	NS	NS	RS	RS	RS	RS	RS	RS	NS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide corridor)*

Land use: choose one from IR, CT, OR, HW, SC, TH, AF, IG, FL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* MVSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* MVSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* MVSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* MVSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G. VEGETATION CLASSES

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes		✓		✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved		✓	✓	✓	✓	✓	✓		✓	
Submerg fine/linear-leaved		E								
Filamentous algae		✓	E	✓	✓	✓	E	E	✓	E

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SITE NO. 7347

H. CHANNEL DIMENSIONS

	L	R		L	R
Boardwalk/raised waterfowl (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SD)		

I. CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Sloping (>45°)	E	E	Reinforced - top only		
Cuttle			Reinforced - toe only		
Composite*			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J. TREES *(tick one box per bank)*

	Left	Right
None	☐	☑
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

K. ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

L. CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☑	☐
Pool(s)	☐	☐	☑
Glide(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide

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M. CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	1·8	RIGHT BANK
Bankop height (m)	0·2	Water width (m)	1·5	Bankop height (m) 0·10
Embanked height (m)	—	Water depth (m)	0·25	*Embanked height (m)* —

If trafficable lower than bankop break in slope, indicate: height (m) = — width(m) = —

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

N. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Pools =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

O. RECENT MANAGEMENT ACTIVITIES

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

P. CONDITION OF BANKTOP AND MARGINS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Q. CHANNEL CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

R. BANKTOP AND MARGIN VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Hostile Rhododendron bushes

S. OVERALL SITE QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - woodsprinting - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - hedged - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
Very modified field drain, recently RS. Pre fields (running through).

T. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE mesh or plant covers and fencing Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7398

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Grede

Date 15/5/1996 Time: 10.30 Surveyor name SJC Accreditation code. PP47

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(additional details on p.3)*

Riffles ✓	Unvegetated point bars ✓
Pools ✓	Vegetated point bars ✓

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (MEN SPOT CHECKS) Page 2 of 4

TALLY (use DAFOR) for - Riffles Pools Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES *(for bankside attributes, assess 5m wide (riparian) and 10m wide (channel))*

Spot check ( ) if: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
CHANNEL ATTRIBUTES										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ATTRIBUTES										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SKA	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NS	RS	NS	NS	NS	NS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ... TICK if functional fence	✓	✓	✓	✓	✓					
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide corridor)*

Land use: choose one from BL, CF, OR, WH, SC, IN, AP, RC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BANK	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BANK	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* BANK	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BANK	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION SURVEY

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Rubus Phragmites		✓	✓	✓	✓	✓		✓	
Floating-leaved (rooted)		✓	✓	✓	✓		✓	✓	✓	
Free-floating										
Amphibious										
Submerged broad-leaved					✓					
Submerg fine/filam-leaved										
Filamentous algae										

1999

SITE NO. 7398

1996 RIVER HABITAT SURVEY (DIMENSIONS AND FEATURES) Page 3 of 4

H CHANNEL DIMENSIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb* / rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial revetments		
			Poached		
			Embanked		
			Set-back embankment		

I CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Bay(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☐	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Glide

1996 RIVER HABITAT SURVEY (DIMENSIONS AND FEATURES) Page 4 of 4

H CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	4.1	RIGHT BANK	
Bankop height (m)	0.1	Water width (m)	4.0	Bankop height (m)	0.1
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If bankface lower than bankop break in slope, indicate: height (m) = ✓ width(m) = ✓

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

I CHANNEL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Bridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J CHANNEL FEATURES

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State: .....

K CHANNEL FEATURES

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridge/wide channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Weir meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleds ☐

L CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M CHANNEL VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Rhododendron bracken

N CHANNEL VEGETATION

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - canal - mill /industry - farming - mining - quarrying - overdeepening - effluentation - fisheries management - silting - other? =

Land Management: not visible - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swan - heron - dragonflies/damselflies

Other significant observations:
RS drainage ditch. Tree cover surrounding land. IG outside. Steep grassy effective fence running along entire length of RB.

O CHANNEL VEGETATION

Algae? None ☐ Present ☑ Extensive ☐ Downstream Algae? None ☑ Present ☐ Extensive ☐

1 BACKGROUND MAP AND DATA INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

2 FIELD SURVEY DETAILS

Reference network site number. 7400

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 310042 River: Deri[illegible]

Date: 21/5/1996 Time: 14.45 Surveyor name: MG Accreditation code: PF65

Adverse conditions affecting survey? No ✓ Yes ○ *If yes, state*

Bed of river visible? No ○ partially ○ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ○ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ *(tick one box)*

Site surveyed from left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

3 DOMINANT VALLEY FORM

○ shallow vee
○ concave/bowl *(If U-shaped glacial valley - add 'U')*
○ deep vee
✓ symmetrical floodplain
○ gorge
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

4 RIFFLES, POOLS AND POINT BARS

Riffles 30 Unvegetated point bars 1

Pools 2 Vegetated point bars 0

ID COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

5 RIVER HABITAT SURVEY: IN-STOCK CHECKS

TALLY (use 5M) for - Riffles LH HH Runs Pools 11 Unveg. side bars 1 Veg point bars

5.1 PHYSICAL ATTRIBUTES

Spot check 1 vs. upstream ✓ downstream ○	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP CHECK										
Material (BE,BO,CO,CL,SA,PE,CS,CC,SP,SM,BS,PY)	EA	EA	CP	EA	EA	GR	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	PC	PC	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (BY,NO,EC,BC,PB,VP,SB,VS)	NO	NO	NC	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK-TOP CHECK										
Channel substrate (BE,BO,CO,CP,SA,SI,CL,PE,AR)	GR	SI	GR	GR	GR	GR	GR	GR	GR	GR
Substrate shape (FL,CH,CR,CU,PO,BR, Others = ---)	IR	NA	PO	PO	PO	IR	FL	PO	PO	PO
Flow type (FF,CH,RW,UW,CF,RF,UP,BH,WF,NO)	NW	CH	UW	NW	UW	UW	SM	RP	RP	UW
Channel modification(s) (NE,NO,CY,RS,RI,BM,FD)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (BY,NO,BO,MB,VB,MI,FB)	NO	NO	NO	NO	PO	NO	NO	NO	NO	PO
RIGHT BANK-TOP CHECK (GRADIENT CHECK)	✓	✓	✓	✓						
Material (BE,BO,CO,CE,SA,PE,CS,CC,SP,GA,BR,ES,BY)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,NO,RS,RI,PC,BM,EM)	PC	NO	NO	NC	NO	NO	NO	NO	PC	NO
Bank feature(s) (BY,NO,EC,BC,PB,VP,SB,VS)	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO

5.2 BANKTOP LAND USE AND POPULATION STRUCTURE (Use Banktop Zone)

Land use, choose one from: BL, CP, OR, MH, BC, IN, RP, IG, IL, HS, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	BL	RP	RP	RP	IG
LEFT BANK-TOP (structure within 1m) BA/NC	S	S	C	C	C	S	S	S	S	C
LEFT BANK FACE (structure) BA/NC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/NC	S	S	S	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m) BA/NC	S	C	C	S	S	S	C	C	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SP	IG	IG	IG	RI	IG	RP	IG	IG	RP

5.3 PLANT SPECIES LIST

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓				✓	✓	✓	✓		✓
Bryophytes/lichens Species A			✓	✓						✓
Emerg broad-leaved herbs Potamo Iberis		✓		✓						✓
Emerg reed/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious Ran[illegible] Berula										✓
Submerged broad leaved Callitriche									✓	✓
Submerg fine/narrow leaved										
Filamentous algae										

6 RIVER HABITAT SURVEY: DIMENSIONS AND FLOWS

6.1 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.5	Banktop width (m)	1.25	Banktop height (m)
Embanked height (m)		Water width (m)	1.25	Embanked height (m) 0.3
		Water depth (m)	0.1	

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ *(tick one box)*

6.2 ARTIFICIAL IN-CHANNEL STRUCTURES

None ○ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

6.3 RECENT CHANNEL WORK

None ○ Dredging ○ Mowing ○ Weed cutting ○
Embankment ○ Other? State Tree felling on LB

6.4 ARTIFICIAL FEATURES

None ○
Weir/falls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Bridges/wide channels ○ Natural open water ○ Cliff ○
Debris dams ✓ Water meadow ○ Marsh ○
Leafy debris ○ Pier ○ Flush ○

6.5 CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

6.6 INVASIVE PLANTS

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nettle Rhododendron bushes

6.7 OTHER MANAGEMENT

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - weed - rail - railway - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = cattle + decrease of bankside trees + shrubs

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud swans - horse - dragonflies/damselflies

Other significant observations: Tiny stream running along field boundaries, impeded by cattle.

6.8 ALDER

Alder? None ✓ Present ○ Extensive ○ Diseased Alder? None ✓ Present ○ Extensive ○

SITE NO. 7400

7 RIVER HABITAT SURVEY: SITE SKETCH

7.1 LAND USE

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)	E	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

7.2 BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite	✓	✓	Artificial two-stage		
			Poached	✓	✓
			Embanked		✓
			Set-back embankment		

7.3 TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	✓
Continuous	✓	○

7.4 ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed bankside roots	○	✓	○
Undermined tree roots	✓	○	○
Fallen trees	○	✓	○
Uneven woody debris	○	✓	○

7.5 FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○	Marginal deadwater	✓	○	○
Cascade(s)	✓	○	○	Exposed bedrock	✓	○	○
Rapid(s)	✓	○	○	Exposed boulders	✓	○	○
Riffle(s)	○	○	✓	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	○	○	✓	Vegetated mid-channel bar(s)	✓	○	○
Pool(s)	✓	○	○	Mature island(s)	✓	○	○
Glide(s)	○	✓	○	Unvegetated side bar(s)	○	✓	○
Poach(s)	○	✓	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (*select up to three features*): Riffle Run

RIVER HABITAT SURVEY (RHS) field sheet

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7401

Mid-site grid reference of network site if different from designated location:

Grid Reference: SE 425089 River: Turnidge

Date 22/5/1996 Time: 12:30 Surveyor name: MG Accreditation code: PF65

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* High flow

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph, general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(number of distinct features)*

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) SPOT CHECKS

TALLY (use fifth) for - Riffles | Pools | Unveg. side bars | Veg point bars

E SPOT CHECK QUALITY ATTRIBUTES *(to be assessed across channel width and in 10m upstream section)*

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK (✓) if vertical/undercut*										
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,VP,GA,AR,BP*	EA	EA	EA	EA	EA	EA	EA	NV	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EN*	NO	NO	NO	NO	NO	NO	NO	NE	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	NO	GL	NO	GL	TR	NO	GL	NV	NO	GL
CHANNEL *NV=Not visible*										
Channel substrate * *NV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	NV	NV	..	NV	NV	NV	NV
Substrate shape *FL,OV,CL,SP,CU,FO,IR, Others - note*	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK
Flow type * *FF,CH,BW,UW,CF,RP,UP,SM,WP,NO*	RP	SP	SM	SM	RR	FP	RP	RP	SM	UP
Channel modification(s) *NE,NO,CV,RS,RI,EN,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *NV,NO,BO,MB,VB,MI,PB*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK (✓) if vertical/undercut*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *NV,BE,BO,CO,GS,EA,PE,CL,CC,SP,VP,GA,AR,BP*	EA	EA	EA	EA	EA	ES	EA	ES	ES	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EN*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *NV,NO,EC,SC,PB,VP,SB,VS*	GL	GL	NO	SC	NO	SC	NO	NO	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 50m stretch)*

Land use: choose one from IR, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	BL	BL	GL
LEFT BANK TOP *(structure within 1m)* BA/SC	U	U	U	U	U	U	U	S	C	S
LEFT BANK FACE *(structure)* BA/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/SC	U	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP *(structure within 1m)* BA/SC	S	U	U	U	U	U	U	C	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	BL	IG

G PLANT SPECIES LIST *(to be assessed over a 50m stretch)*

NONE / PLANT GENERA - list first 5			✓		✓	✓	✓		✓	
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved	✓	✓		✓						
Filamentous algae										

RIVER HABITAT SURVEY (RHS) SPOT CHECKS

SITE NO. 7401

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 50m stretch)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' semi vegetation (TH)			Suburban/urban development (SU)		

H BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Revetted		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

J WATER COLUMN AND CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☑	☐
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Run - Run

RIVER HABITAT SURVEY (RHS) DIMENSIONS AND INFLUENCES SPOT CHECKS

K CHANNEL DIMENSIONS *(to be assessed in a straight section preferably across a riffle)*

LEFT BANK				RIGHT BANK
Banktop height (m)	?	Banktop width (m)	17.0	Banktop height (m)
Embanked height (m)		Water width (m)	17.0	Embanked height (m)
		Water depth (m)	1.0	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☑

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ARTIFICIAL STRUCTURES *(within 50m stretch)*

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No ☐ Yes, <33% of site ☐ >33% of site ☐

M RIVER CORRIDOR AND MANAGEMENT *(within 50m stretch)*

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

N FEATURES OF CHANNEL AND MARGIN *(within 50m stretch)*

None ☑				
Waterfalls > 5m high ☐	Artificial open water ☐		Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐		Carr ☐	
Debris dams ☐	Water meadow ☐		Marsh ☐	
Leafy debris ☐	Fen ☐		Flush ☐	

O CHOKED CHANNEL *(within 50m stretch)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P OTHER NOTABLE SPECIES *(within 50m stretch)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

Q OVERALL RIVER MANAGEMENT / HABITAT QUALITY *(within 50m stretch)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: High (low) flows + Island sediment observed - mussel bar.

R OVERALL BANKSIDE HABITAT QUALITY *(within 50m stretch)*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: SITE AND MAP-BASED INFORMATION

...al) geology code	Slope (m/km)	Flow category (1-10)
...istance from source (km)	Drift geology code	Planform category
Height of source (m)	Significant tributary ?	Navigation ?
	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7402

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS524 012 River: LEW

Date 6/5/1996 Time: 12:20 Surveyor name: P Higginbottom Accreditation code: PH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SURVEY DETAILS: NO OF BANKS *(indicate quantity)*

Riffles 10 Unvegetated point bars 4

Pools 2 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use JBJ) for - Riffles 10 Pools 11 Unveg. side bars 1 17 Veg point bars

A. PHYSICAL ATTRIBUTES (to be assessed across channel at site 1 m wide transect)

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
B. BANK VEGETATION (tick if functional zone)										
Material *(BE,BO,CO,CL,ES,PA,PL,CL,CC,SP,WP,CA,BR,RR)*	EA	BO	EA	EA	LA	BR	BR	GA	BR	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	RI	RI	NO	RC	NO
Bank feature(s) *(NP,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	PB
C. CHANNEL (tick if functional zone)										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	CO	CO	BG	BG	CO	CO	GR	CO	GP	BE
Substrate shape *(FL,CW,EL,SP,CU,FO,SR, Others - note)*	FL	FL	FG	FC	FL	FL	IR	PL	IR	FL
Flow type *(FF,CN,BW,UW,CF,RF,UP,SM,NP,NO)*	SM	SM	UW	RP	RP	NP	SM	UW	SM	RP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NP,NO,RO,MB,VB,MT,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	TO
D. RIGHT BANK (tick if functional zone)										
Material *(BE,BO,CO,ES,EA,PA,CL,CC,SP,WP,CA,BR,RR)*	IR	EA	BE	EA	EA	EA	EA	EA	EA	ER
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NP,NO,EC,SC,PB,VP,SB,VS)*	NO	NO	NO	EC	NO	NO	NO	NO	EC	NO
E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, OR, AH, SC, TH, RP, IG, IL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	BL	SC	SU	SU	SU	IG	IG
LEFT BANK-TOP *(structure within 1m)*	C	C	C	C	C	S	S	U	U	U
LEFT BANK FACE *(structure)*	U	S	S	U	S	U	S	S	C	S
RIGHT BANK FACE *(structure)*	U	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)*	S	C	S	U	U	S	C	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	IG	IG	IG	IG	IG	IG	IG	SU
F. CHANNEL VEGETATION (for the assessed over a 10m wide transect)										
NONE / PLANT GENERA - list first 5						✓				
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes									✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	E	✓		✓	✓	✓	✓

SITE NO. 7402

1996 RIVER HABITAT SURVEY: SWEPT UP

...NDATIONS WITHIN 50m OF BANKTOP

	L	R		L	R
...adleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*	E	
...niferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
...bard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...rub *(SC)*	✓	✓	Open water *(OW)*		
...herbs" rank vegetation (TH)			Suburban/urban development *(SU)*	✓	✓

...TURES

Natural/semi-Nat	L	R	Artificial/modified	L	R
...ical/undercut	E	E	Resectioned	E	✓
...ical + toe			Reinforced - whole bank		
...(>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
...posite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

...TION OF THE LAND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

...TURES WITHIN CHANNEL

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

...e predominant flow sequence *(select up to three features)*: Riffle Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND OBSTRUCTIONS

A. CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	15.6	RIGHT BANK
Banktop height (m)	2.60	Water width (m)	6.75	Banktop height (m) 0.80
Embanked height (m)		Water depth (m)	0.35	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B. ARTIFICIAL STRUCTURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

C. MAINTENANCE OF SEMI-NATURAL CHANNEL

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State .....

D. FEATURES OF ARTIFICIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

E. CHOKING OF CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. NOTABLE NON-NATIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bracken

G. OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - coal - rail - industry - bombs - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Moderate gradient cobble stream with areas of bedrock bed and banks (hard underlying clay). Steep bank to right. Shallow area of bedrock bed with small pools.

H. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (RHS) Field Sheet 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. SURVEY DETAILS

Reference network site number: 7403.

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 663056. River: TAW

Date 5/5/1996 Time: 1410 Surveyor name P Kenyon Accreditation code: PF11

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. SURVEY LENGTH, POOLS AND POINT BARS *(minimum length 500m)*

Riffles 13 Unvegetated point bars 0

Pools 5 Vegetated point bars 5

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (RHS) Field Sheet 2 of 4

TALLY (use ||||) for - Riffles |||| \|||| Pools |||| \ Unveg. side bars Veg point bars 1|1

E. PHYSICAL ATTRIBUTES *(Mark against each spot check the number(s) of the zone(s) in which it occurs)*

Spot check 1 is upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if trees present* ☑										
Material *(BE,BO,CO,CS,EA,PC,CL,CC,SP,SM,GA,BH,SS,SW)*	EA	CA	EN	EN	CB	EA	EA	CA	CA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	N1	No
Bank feature(s) *(HV,HO,EC,SC,PB,VT,SB,VS)*	SL	NO	ES/VE	EC	NO	NO	NO	NO	SB	No
CHANNEL										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AB)*	SI	GP	GP	GP	CO	GP	SI	CO	CO	GP
Substrate shape *(FL,OV,EL,SP,CU,PO,IR, Others - new)*		IR	IR	IR	FL	IR		RO	FL	IR
Flow type * *(FF,CH,BW,UW,CF,RP,UP,SM,WF,NO)*	SM	UW	UW	UW	UW	UW	SM	RP	UW	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(HV,NO,BO,MB,VB,NI,IS)*	NO	MS	N2	VB	VP	VB	NO	NO	NO	M1
RIGHT BANK *TICK if (sections) trees present* ☑										
Material *(BE,BO,CO,CS,EA,PC,CL,CC,SP,SM,GA,BH,SS,SW)*	EA	EA	EA	EA	EA	GS	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(HV,NO,EC,SC,PB,VT,SB,VS)*	VP	VP	SC	NO	NO	EC	SC	SB	No	VS

F. BANK-TOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from: BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	IG	IG	TH	IG	IG	IG	IG	IG	PE
LEFT BANK-TOP *(structure within 1m)* BA/US/C	C	S	U	S	U	U	A	S	U	C
LEFT BANK FACE *(structure)* BA/US/C	S	U	U	B	U	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	U	S	S	S	S	B	C	B	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	U	C	C	U	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	BL	BL	IG	BL	SC	TL	TL	TL	TL

G. CHANNEL VEGETATION TYPES *(% cover)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes *Phalaris, Typha, Agrostis, Phragmites*	/	/		/	/	/		/		/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	/	/	/	/	/	/	E	/	/	/

SITE NO. 7403. RIVER HABITAT SURVEY (RHS) Sheet 3 of 4

H. LAND USE WITHIN 50m OF BOTH BANKS *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* / rank vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	

I. BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Recectioned		
Vertical + toe	E		Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only	✓	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J. FEATURES OF LIMITED EXTENT

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging bought	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K. INSTREAM FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle Pool Run

RIVER HABITAT SURVEY (RHS) Sheet 4 of 4

L. CHANNEL DIMENSIONS *(to be measured at the site of the cross-section specified on page 1)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.75	Banktop width (m)	15.50	Banktop height (m)	2.0
Embanked height (m)		Water width (m)	14.50	*Embanked height (m)*	
		Water depth (m)			

If trashline lower than banktop break in slope, indicate: height (m) = 1.0 width(m) = 15.50

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M. SECTION AND PATH

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirdam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N. RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O. FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P. CHOKED REACH

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. NOTABLE PLANTS *(list all species)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R. OVERALL LANDSCAPE QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies
Common toad.

Other significant observations: Active storm ec.w.r.s.s. Riffle Pool sequence. Mature Island No evidence Hogweed coppice - right Bank.

S. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (with flood risk and fencing options) — Sheet 1

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

DETAILED SURVEY DETAILS

Reference network site number: 7404

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 730096 River: TOE

Date 6/5/1996 Time: 1550 Surveyor name PHEWNLE Accreditation code: CC11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM: *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles 8 Unvegetated point bars 4

Pools 2 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (SPOT CHECKS) — Sheet 2

TALLY (use ||||) for - Riffles |||| || Pools || Unveg. side bars || Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across channel in 10m wide (transect) at each spot check)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(tick if functional zone)*										
Material *(BE,BO,CO,CS,BA,PC,CL,CC,SP,VP,GA,BR,ES,AV)*	EA	EA	EA	EA	EA	BE	CA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,BC,PB,VP,SB,VS)*	SC	NO	PB	NO	NO	NO	NO	NO	EC	SC
CHANNEL *(tick if functional zone)*										
Channel substrate * *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	BE	GP	CO	NV	CO	CO	NV	GP	CO	CO
Substrate shape *(FL,DV,EL,SP,CU,PO,IX, Others - note)*	FL	IR	FC		FL	FL		FR	FL	FL
Flow type * *(FF,CH,RW,UW,CF,RP,UP,SM,NP,NO)*	SM	UW	UU	SM	SM	SM	RP	UU	RP	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,RO,WB,VB,MI,TR)*	NO	NO	NO	NO	SM	NO	NO	NO	NO	NO
RIGHT BANK *(tick if functional zone)*										
Material *(BE,BO,CO,GS,EA,PE,CL,CC,SP,VP,GA,BR,ES,AV)*	EA	EA	GA	CA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	BB	NO	PC	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	SC	SB	NO	SC	NO	EC	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SC	IG	IG	IG	PL	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	C	U	U	U	S	S	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	C	S	S	S	S	B	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	U	S	S	S	U	S	B	S	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	RD	IG	IG	IG	IG

PLANT AND VEGETATION NOTES *(Use DAFOR scale)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓		✓	✓	✓	✓	✓	

SITE NO. 7404

RIVER HABITAT SURVEY (SUMMARY) — Sheet 3

LAND USE WITHIN 50m OF TOP *(tick all that apply)*

	L	R		L	R
Semi-natural/mixed woodland *(BL)*	✓		Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓		Open water *(OW)*		
Tall herbs' most vegetation (TH)			Suburban/urban development *(SU)*		

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe	-	-	Reinforced - whole bank		
Poached (<45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		✓
			Embanked		
			Set-back embankments		

PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

PRESENCE OF CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Site predominant flow sequence *(select up to three features)*: Riffle, Pool, Run.

RIVER HABITAT SURVEY (DIMENSIONS AND LINE DRAWING) — Sheet 4

CHANNEL DIMENSIONS *(to be measured at the most typical location for each transect)*

LEFT BANK		Banktop width (m)		RIGHT BANK	
Banktop height (m)	2.30	Water width (m)	14.60	Banktop height (m)	1.20
Embanked height (m)		Water depth (m)	0.20	*Embanked height (m)*	

If riverline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

PRESENCE OF CHANNEL MODIFICATIONS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

OVERGROWN CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL ENVIRONMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
low gradient river through sheep pasture tree line fairly active

ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE SURVEY AND PHOTOGRAPHIC PLAN and RECORD SHEET

A BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7405

Mid-site grid reference of network site if different from designated location:

Grid Reference: SS 837033 River: CREEDY

Date 7/5/1996 Time: 1015 Surveyor name PHENTHILL Accreditation code PF11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D RIVER CHARACTERISTICS: POOLS AND OTHER FEATURES *(within 500m of site)*

Riffles 8 Unvegetated point bars 3

Pools 4 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

VU MB

1996 RIVER HABITAT SURVEY: IN-STREAM SPOT CHECKS

TALLY (use Jiff) for - Riffles 4444 | Pools 111 | Unveg. side bars 111 | Veg point bars

F PHYSICAL ATTRIBUTES *(to be assessed across channel within a 10 m grid square)*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
CHANNEL										
Material *(bd,BE,BO,CO,GR,SA,PE,CL,CC,SI,WT,SA,BR,BA,WT)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	SB	SC	NO	NO	SC	NO	NO	NO	NO
CHANNEL										
Channel substrate * *(bd,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GR	GP	CO	GP	GP	GP	CO	GP	CO
Substrate shape *(FL,OV,EL,SP,CU,FO,IR, Others - note)*	IR	IR	IR	FL	TR	IR	IR	EL	LR	IR
Flow type * *(FF,CH,RW,UW,CF,RF,UF,SM,NP,NO)*	SM	UW	UW	RP	UU	UW	UW	SM	RP	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,NO)*	NO	NO	NO	NO	NO	NO	NO	NO		NO
Channel feature(s) *(NV,NO,RO,MB,VB,SO,TR)*	NO	VB	NO	CO	NO	NO	NO	NO		NO
RIGHT BANK *(looking downstream)*										
Material *(bd,BE,BO,CO,GR,SA,PE,CL,CC,SI,WT,SA,BR,BA,WT)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*		NO		NO	NO	NO	NO	PC	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NO		NO	NO	NO	NO	NO	NO	NO

G BANK TO LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SE	TU	BL	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* BA/SC	U	U	U	E	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/SC	S	S	S	C	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/SC	E	C	S	C	S	U	C	C	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/SC	C	U	C	S	S	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	S	IG	IG	BL	IG	IG	IG	IG

H PLANT SPECIES LIST *(to be completed over a 10m wide transect)*

NONE / PLANT GENERA - list first 5							✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs		✓								
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filiform-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓			✓

SITE NO. 7405 1996 RIVER HABITAT SURVEY: SITE SURVEY AND PHOTOGRAPHIC PLAN and RECORD SHEET Page 2 of 4

G LAND USE WITHIN 50m OF BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	✓	✓	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	✓	✓
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall herbs* rank vegetation (TH)	✓		Suburban/urban development *(SU)*		

I BANK PROFILE AND BANK MATERIAL *(to be assessed over a 10m wide transect)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reactioned		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)	✓		Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankment		

J EXTENT OF TREES AND ASSOCIATED FEATURES *(to be assessed over a 10m wide transect)*

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

K CHANNEL FEATURES *(within 500m of site)*

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Bay(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Pool Run.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

L CHANNEL DIMENSIONS *(to be assessed at one site across a straight uniform section and mainly straight reach)*

LEFT BANK			RIGHT BANK
Banktop height (m)	2.0	Banktop width (m) 8.50	Banktop height (m) 1.50
Embanked height (m)		Water width (m) 7.0	*Embanked height (m)*
		Water depth (m) 0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M CHANNEL FEATURES *(within 500m of site)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N EVIDENCE OF RECENT CHANNEL MANAGEMENT *(within 500m of site)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O FEATURES OF POTENTIAL INTEREST *(within 500m of site)*

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHOKED CHANNEL *(within 500m of site)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q ROAD AND RAILWAY CROSSINGS *(within 500m of site)* | RIVER BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER MANAGEMENT *(within 500m of site)*

Major impacts: bed/fill - dipping - flow - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Dense Top water two pools riffle LH bank u.s. also narrow lower section straight and mod less - trees.

S ALDER

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY — Page 1 of 4

MAP-BASED INFORMATION

ology code	Slope (m/km)	Flow category (1-10)
ce from source (km)	Drift geology code	Planform category
ght of source (m)	Significant tributary ?	Navigation ?
	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7406

Mid-site grid reference of network site if different from designated location:

Grid Reference: 936030 River: Exe

Date 23.5./1996 Time: 12^00 Surveyor name: Ian Howe Accreditation code: PT36

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* Many Spate

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NO. OF RIFFLES, POOLS AND POINT BARS *(within 500m)*

Riffles 5 Unvegetated point bars 0

Pools 0 Vegetated point bars 1

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY — Page 2 of 4

FALLY (tick [✓]) for - Riffles 1/4 Pools Unveg. side bars Veg point bars 1

PHYSICAL ATTRIBUTES *(for channel)*

Spot check (+ upstream ☑ downstream ☐)	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(TICK if functional Zone)*										
Material *	EA	EA	EA	CO	EA	EA	CO	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	SB	NO	VI	EC	NO	NO
CHANNEL										
Channel substrate *	CO	CO	CO	CO	CO	NV	CO	CO	CO	CO
Substrate shape										
Flow type *	UW	UW	SM	UW	BW	CF	BW	SM	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NC	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional Zone*										
Material *	EA	EA	EA	NV	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	NO	NO	NO	SC	NO	NO	NO	NO

BANKTOP, LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide channel)*

Land use: choose one from AL, CF, OR, URB, SC, TH, RP, SO, IL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)*	S	S	S	S	U	U	U	S	U	S
LEFT BANK FACE *(structure)*	S	S	S	S	S	S	S	B	S	S
RIGHT BANK FACE *(structure)*	S	C	C	C	C	C	C	C	S	S
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	C	C	C	C	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	IG	IG	BL	BL	BL	IG	IG	IG

VEGETATION *(Cover)*

NOW 8 / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	E	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓							
Submerged broad-leaved										
Submerg fine/narrow-leaved										
Filamentous algae										

RIVER HABITAT SURVEY — Page 3 of 4

TE NO. 7406

VEGETATION *(Cover)*

	L	R		L	R
oadleaved/mixed woodland (BL)		E	Rough pasture (RP)		✓
oniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
hard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
herbs" (weed vegetation (TH)			Suburban/urban development (SU)		

CHANNEL

Natural/semi-modified	L	R	Artificial/modified	L	R
Bed/substrate	E	✓	Resectioned		
Bank + toe			Reinforced - whole bank		✓
Bank profile (>45°)	✓	E	Reinforced - top only		
Gentle bank profile	E		Reinforced - toe only		
Cliffs	✓		Artificial two-stage		
			Perched		
			Embanked		
			Set-back embankments		

ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Site predominant flow sequence *(select up to three features)*: Riffle Run

RIVER HABITAT SURVEY — Page 4 of 4

CHANNEL DIMENSIONS *(to be assessed over a 10m wide channel)*

LEFT BANK		Banktop width (m)	24.5	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	20	Banktop height (m)	2.0
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site in: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement in: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

MAN-MADE FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

OCCURRENCE OF PLANTING

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKING

Is 33% or more of the channel choked with vegetation? - NO ☑ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

ADJACENT LAND USE

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Soon was one large meander, a large flat flow system Himalayan Balsam dominant on L bank

ALDER

Alder? None ☐ Present ☑ Excessive ☐ Diseased Alder? None ☐ Present ☐ Excessive ☐

1996 RIVER HABITAT SURVEY (with field mapping and recording sheet)

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7409

Mid-site grid reference of network site if different from designated location:

Grid Reference: 236036 River:

Date 24/5/1996 Time: 9.30 am. Surveyor name: Williams Accreditation code: FF36

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* In major spate

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C.3.5 PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee — ☐ symmetrical floodplain
☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. SUMMER ONLY: RIFFLES, POOLS AND POINT BARS *(channel dominant)*

Riffles 14 — Unvegetated point bars 3

Pools 1 — Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use flags for Riffles IN NI III) Pools 1 Unveg. tide bars III Veg point bars

E. PHYSICAL ATTRIBUTES *(for assessed spot checks)*

Spot check 1 = upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
E.1 CHANNEL										
Material *	CA	CA	CA	CA	CA	CA	CA	CA	BR	CA
Bank modification(s)	NO	PC	NO	PC	NO	NO	NO	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	SB	SB	NO	NO	NO
E.2 CHANNEL TYPE										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape										
Flow type *	UW	UW	SM	SM	RP	SM	UW	BW	BW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	RO	NO	NO
RIGHT BANK TICK if continued from left										
Material *	CA	CA	CA	RR	CA	EA	CA	CA	RR	ER
Bank modification(s)	NO	NO	NO	RI	NO	NO	NO	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	RO	EC
F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide channel)*										
Land use: choose one from										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	SU	IG
LEFT BANK-TOP *(structure within 1m)*	S	U	C	U	S	S	S	S	S	C
LEFT BANK FACE *(structure)*	S	U	S	U	S	S	S	S	U	C
RIGHT BANK FACE *(structure)*	C	S	S	S	S	S	C	S	C	C
RIGHT BANK-TOP *(structure within 1m)*	C	C	C	U	C	C	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	IG	IG	IG
G. GROUND VEGETATION										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens								✓		✓
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious		✓				✓				
Submerged broad-leaved										
Submerg fine/hair-leaved										
Filamentous algae	✓	✓								

SITE NO. 7409

1996 RIVER HABITAT SURVEY: SPOT CHECKS

H. SIDE OF VALLEY

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	✓	✓

I. CHANNEL MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned	✓	✓
Vertical + toe			Reinforced - whole bank		
Slump (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled	✓	✓
			Embanked		
			Set-back embankments		

J. TREES *(tick one box per bank)* / ASSOCIATED FEATURES *(tick one box per feature)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K. CHANNEL FEATURES

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☐	☑	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle - run - glide

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND DERIVATIONS

C.2 CHANNEL DIMENSIONS *(measured over a 10m channel length)*

LEFT BANK				RIGHT BANK
Banktop height (m)	0.4	Banktop width (m)	32	Banktop height (m) 0.5
Embanked height (m)		Water width (m)	3	Embanked height (m)
		Water depth (m)	0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

C.3.1 CHANNEL MODIFICATIONS

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 3 Other =
Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

C.3.2 RECENT MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State: Alterations to small part of S. (banks)

C.3.3 CHANNEL OBSTRUCTIONS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

C.3.4 CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

C.3.6 NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

C.3.7 OTHER FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Water muddied & flowing fairly unusual due to run of last few days.

C.3.8 ALIEN PLANTS

Alien? None ☐ Present ☑ / Extensive ☐ Dominant Alien? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE index form (for plant species and spacing) Page 1 of

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7410

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: AXE

Date: 14/5/1996 Time: 10.45 Surveyor name: P. Goldth Accreditation code: PF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* ....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

(FE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS & UNVEGETATED POINT BARS *(Estimate total if >5)*

Riffles 3 Unvegetated point bars 2

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use ||||) for - Riffles 11 Pools Unveg. side bars 11 Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* ' = semi-quality only

Spot check 1 m upstream ↓ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional feacs	LB									
Material *MM,BE,BO,CO,CS,SA,PE,CL,CC,ST,VP,GA,BR,ES,AA*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MM,MO,EC,BC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	SC	NO
CHANNEL NEW subst/veg shapes (Use Overleaf for Channel Cross Profiles)										
Channel substrate ' *MM,BE,BO,CO,CP,SA,SI,CL,PE,AB*	BP	BP	BP	BP	BP	BP	BP	BP	CP	BP
Substrate shape *FL,CP,CI,SP,CV,PO,IR, Others - note*	NV	IR	IR	IR	IR	IR	IR	NV	IR	IR
Flow type ' *FT,CH,RW,UW,CF,SF,UP,SM,MP,NO*	SM	RP	SM	SM	SM	RP	SM	SM	SM	SM
Channel modification(s) *ME,MO,CV,RS,RI,DM,TO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MM,MO,BD,AB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional feacs										
Material *MM,BE,BO,CO,CS,SA,PE,CL,CC,ST,VP,GA,BR,ES,AA*	EA	CL	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *ME,MO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MM,MO,EC,BC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	SE	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use, choose one from: BL, CP, OR, MH, SG, TH, RP, IG, TL, WL, UW, SU

	1	2	3	4	5	6	7	8	9	10
								Set Aside		
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	BL	IG	SG	SG	TL	TL	TL	TL
LEFT BANK-TOP *(structure within 1m)* *MI/SC*	U	S	S	U	S	S	U	U	U	U
LEFT BANK FACE *(structure)* *MI/SC*	U	S	S	S	S	C	S	S	S	S
RIGHT BANK FACE *(structure)* *MI/SC*	S	S	S	S	S	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* *MI/SC*	U	U	U	U	U	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	SG	SU	U

CHANNEL VEGETATION TYPES *(Estimate % cover; tick (present) or list (prevalent) if >5)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										✓
Floating leaved (rooted)										
Free floating										
Amphibious										
Submerged broad leaved										
Submerg fine/narrow leaved										
Filamentous algae										

BNO. 7410 1996 RIVER HABITAT SURVEY: SPOT CHECKS (cont'd) Page 3 of

	L	R		L	R
Wood/assd woodland (BL)	E		Rough pasture (RP)		
Arable plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	/		Open water (OW)		
Herbs: rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		✓

	L	R		L	R
Natural/semi-modified			Artificial/modified		
Semi-natural	E	✓	Reinforced		
Cliff + talus			Reinforced - whole bank		
Steep (>45°)	✓	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Trample			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Undercut tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid channel bar(s)	☐	✓	☐
Run(s)	☐	✓	☐	Vegetated mid channel bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Is predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY: DIMENSIONS AND LANDFORMS Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	8.70	RIGHT BANK
Bankfull height (m)	1.50	Water width (m)	7.90	Bankfull height (m) 1.40
Embanked height (m)		Water depth (m)	0.25	*Embanked height (m)*

If trampling lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ✓ unknown ☐ *(tick one box)*

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

CHANNEL BIOLOGICAL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

FURTHER OBSERVATIONS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - boating - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: arable - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies -

Other significant observations:

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE SURVEY DETAILS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7411

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: AXE

Date: 14/5/1996 Time: 13:00 Surveyor name: P. Corbett Accreditation code: PF 35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (within site survey)

Riffles	18	Unvegetated point bars	1
Pools	2	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (one tick for each feature): Riffles 111 111 111 | Pools 11 | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within 5 m wide transect)

Spot check 1 m upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fences present										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	UC	NO	NO
CHANNEL NEW CHANNEL (tick if present)										
Channel substrate	SP	SP	SP	SP	SP	SP	SP	P	P	SP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	SM	SM	RP	SM	SM	SM	UU	SM	ES	OW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fences present										
Material	EA	EA	EA	EA	CL	EA	EA	LA	EA	EA
Bank modification(s)	NO	NO	R	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	EC	NO	NO	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	SC	RP	RP	RP	EL	TH
LEFT BANK TOP (structure within 1m) BANDC	U	S	S	U	S	U	U	U	C	U
LEFT BANK FACE (structure) BANDC	S	U	S	U	U	U	B	S	S	U
RIGHT BANK FACE (structure) BANDC	S	U	B	S	B	S	U	U	U	B
RIGHT BANK TOP (structure within 1m) BANDC	S	U	U	S	U	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	SU	RP	RP	RP	RP	RP	IR

G CHANNEL VEGETATION TYPES (% cover)

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens									✓	✓
Emerg broad-leaved herbs		✓		✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes	✓	✓					✓			
Floating-leaved (rooted)										
Free-floating			✓	✓			✓			✓
Amphibious										
Submergent broad-leaved										
Submerg fine/linear-leaved							✓			
Filamentous algae	✓	✓	✓	✓	E	✓	E	✓	✓	

SITE NO. 7411 1996 RIVER HABITAT SURVEY: SITE SURVEY DETAILS Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs' and vegetation (TH)	✓		Suburban/urban development (SU)	✓	✓

I BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
Vertical + toe	✓	✓	Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

J STRUCTURES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	5 (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	5 (≥33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Pool(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Peat(s)	☐	☐	☐

	None	Present	5 (≥33%)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☐	☑	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INCREMENTS Page 4 of 4

K CHANNEL DIMENSIONS (to be assessed at the Mid-point of the transect)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.50	Bankop width (m)	2.20	Banktop height (m)	0.65
Embanked height (m)		Water width (m)	2.0	Embanked height (m)	
		Water depth (m)	0.20		

If trafficable lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement in: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

L ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? ☑ No ☐ Yes, <33% of site ☐ >33% of site ☐

M RIVER MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

N ADJACENT LAND USE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

O CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? *Mainly Rhododendron bushes*

Q OTHER ENVIRONMENTAL FACTORS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - dumping - mining - quarrying - overshooting - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: *Small, white stone in first 4 sections then (after bridge) become larger with glitty etc. may river managed. Only very small amount of Himalayan Balsam.*

R ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7413

Mid-site grid reference of network site if different from designated location:

Grid Reference: ST 630010 River: SYDLING WATER.

Date 25/7/1996 Time: 09:10. Surveyor name N GRIEVE Accreditation code PF12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

PE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate if field estimate)*

Riffles 7 Unvegetated point bars

Pools 1 Vegetated point bars

PLEASE COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DR DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use 5bf) for - Riffles 7 Pools 1 Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel at each of 10 wide transects)*

Spot check 1 is: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	BR	EA	EA	EA	EA	EA	SX	EX	EA
Bank modification(s)	NO	RI	NO	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	SI	GP	GP	GP	GP	SI	SI	SI	SI
Substrate shape	PO	NA	PO	PO	PO	PO	NA	NA	NA	NA
Flow type	LW	SM	LW	SM	LW	SM	NF	NF	SM	NF
Channel modification(s)	NO	RS	NO	NO	NO	NO	NO	NO	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional force										
Material	EA	SC	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	NO	NO	NO	NO	NO	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	SU	SU	SU	BL	BL	BL	BL	BL	TH
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	C	C	C	C	C	U
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	S	C	S	S	S	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	C	C	C	C	S	S	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	C	S	S	C	S	C	S	C	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	BL	BL	BL	BL	BL	BL	TH	TH

G CHANNEL VEGETATION TYPES *(in-channel, bankface and bankside)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓	✓						✓
Emerg broad-leaved herbs *Rorippa nas. Apium*	✓		✓	✓	E	E	E	E	E	E
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)	✓	E		✓	✓	✓				✓
Free-floating *Lemna*	E		✓	✓	✓		✓			✓
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved *Ranunculus*	E	✓	E	E	✓	✓	✓			E
Filamentous algae		✓	✓	✓	✓	✓	✓	✓	✓	✓

1996 RIVER HABITAT SURVEY: 500m SWEEP UP

SI 07413

E LAND USE WITHIN 50m OF MID-POINT *(tick one box per bank)*

	L	R		L	R
Broadleaved/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*	E	✓
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub	✓	✓	Open water *(OW)*	✓	✓
Tall emergent vegetation (TE)	✓	✓	Suburban/urban development *(SU)*	E	✓

H ARTIFICIAL AND MODIFIED FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical			Resectioned		
Vertical + bank top slope			Reinforced - whole bank	E	✓
Sloping (> 45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only	✓	✓
Concave			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

J BACKGROUND FEATURES

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Pool(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Riffle(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Boil(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Weir(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

predominant flow sequence *(select up to three features)*: GLIDE - (STAGNANT IRF IN OLD CRESS BEDS.)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

C CHANNEL DIMENSIONS *(to be measured at each of 10 wide transects, or at representative sites)*

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)	4.5	Banktop height (m) 0.6
Embanked height (m)		Water width (m)	3.25	*Embanked height (m)*
		Water depth (m)	0.14	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

D ARTIFICIAL FEATURES *(in channel, bankface and bankside)*

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords = 1
Footbridges = Roadbridges = Other = OLD CRESS BEDS.

Is water impounded by weirdam? No ☐ Yes, <33% of site ☑ >33% of site ☐

K CHANNEL MANAGEMENT *(in last 5 years)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other? State: .....

L FEATURES OF CONSERVATION INTEREST *(in channel, bankface and bankside)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

M CHOKED CHANNEL *(in last 5 years)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N BANKSIDE VEGETATION *(in last 5 years)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron, bracken

O OVERALL MANAGEMENT

Major impacts: landfill - tipping - litter - dumping - pollution - drought - abstraction - mill - dam (low) mill -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management (mining) other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = OLD CRESS BEDS Salmon Jr

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies (damselflies)

Other significant observations: Clear GP stream, running by road in upper ½ then through woodland/scrub (old cress beds).

P ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY with fish and macroinvertebrates — Sheet 1 of 4

BACKGROUND MAP BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

A. FIELD SURVEY DETAILS

Reference network site number: 7414

Mid-site grid reference of network site if different from designated location:

Grid Reference: 7030.0 ST River: Piddle

Date 21/4/1996 Time: 12:00 Surveyor name P. Inlott Accreditation code PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 9 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY by TEN SPOT CHECKS — Sheet 2 of 4

TALLY (use JIII) for - Riffles IIII I III Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across Channel, width and at wide intervals)

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - SPOT CHECK										
Material ' BE,BO,CO,GS,SA,PE,CL,CC,SI,WT,GA,BR,RS,RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ME,NO,RS,RI,PC,BA,EM	No	No	No	Pc	Pc	Pc	Pc	No	No	No
Bank feature(s) RV,NO,EC,SC,PB,VP,SB,VS	No	NO	VS	No	No	No	No	No	No	No
CHANNEL - SPOT CHECK										
Channel substrate ' RV,BE,BO,CO,GP,SA,SI,CL,PE,AR	GP	GR	GR	GS	GS	GR	GP	GP	GP	GP
Substrate shape PL,OV,EL,IP,CU,FO,IR, Others - note	IR	IR	IR	WA	IR	IR	IR	IR	IR	IR
Flow type ' FT,CH,RW,UW,CF,RP,UP,SM,MP,NO	RP	RP	UW	RP	RP	RP	UW	RP	UW	RP
Channel modification(s) ME,NO,CV,RS,RI,DA,FO	No	No	No	No	No	No	No	No	No	No
Channel feature(s) RV,NO,BO,MB,VB,MI,TR	No	No	No	No	No	No	No	No	No	No
RIGHT BANK - SPOT CHECK (if fractional fence)										
Material See BE,BO,CO,GS,SA,PE,CL,CC,SI,WT,GA,BR,RS,RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ME,NO,RS,RI,PC,BA,EM	No	No	No	Pc	Pc	Pc	Pc	Pc	Pc	Pc
Bank feature(s) RV,NO,EC,SC,PB,VP,SB,VS	No	NO	No	No	No	No	No	No	No	No

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 5m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	S	S	U	U	U	U	U	S
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	U	U	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	S	C	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	IG	IG	IG	IG	IG	IG	IG	IG	IG

G. BANKTOP VEGETATION (tick one box per column)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓		✓							
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious			✓						✓	✓
Submerged broad-leaved	✓		✓		✓		✓	✓	✓	
Submerg fine/linear-leaved	✓	E	E		E	E	E	E	C	E
Filamentous algae		✓		✓	✓	✓	✓	✓	✓	✓

SITE NO. — 1996 RIVER HABITAT SURVEY — Sheet 3 of 4

H. LAND USE WITHIN 50m OF BANKTOP (tick one box per column)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
Scrub *(SC)*			Open water *(OW)*		✓
Tall herb/ rank vegetation (TH)			Suburban/urban development *(SU)*	E	E

I. BANK CONDITION

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reactioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	E	E
			Embanked		
			Set-back embankments		

J. CONTROL OF THE LAND ADJACENT TO THE RIVER

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K. CONTROL OF THE LAND ADJACENT TO THE RIVER

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☐	☑	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence *(select up to three features)*: run / riffle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Sheet 4 of 4

L. CHANNEL DIMENSIONS (to be measured at the most representative location, preferably across a riffle)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.30	Banktop width (m)	3.90	Banktop height (m)
Embankment height (m)		Water width (m)	2.80	*Embanked height (m)*
		Water depth (m)	0.05	

If trapezium lower than banktop break in slope, indicate: height (m) = ... width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M. ARTIFICIAL FEATURES (within 50m of banktop)

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N. RIVER CHANNEL MANAGEMENT (within 50m of banktop)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O. FEATURES OF ENHANCEMENT (within 50m of banktop)

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

P. CHOKED CHANNEL (within 50m of banktop)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q. NOTABLE PLANTS (within 50m of banktop)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

R. OTHER FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

S. ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SITE SPECIFICATION

Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number 7416

Mid-site grid reference of network site if different from designated location:

Grid Reference ST962001 River: STOUR

Date 25.4.1996 Time: 15.28 Surveyor name: P. Scarlett Accreditation code: PF35

Adverse conditions affecting survey? No ☐ Yes ☑ *If yes, state* wet

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐	shallow vee	☐	concave/bowl *(If U-shaped glacial valley - add "U")*
☐	deep vee	☑	symmetrical floodplain
☐	gorge	☐	asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SITE SPECIFICATION

Page 2 of 4

TALLY (use diff) for Riffles Pools Unveg. side bars Veg. point bars

J PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)*

Spot check 1 m upstream ☑ downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SPOT CHECK										
Material [1]	ER	ER	ER	ER	ER	ER	ER	ER	ER	ER
Bank modification(s)	No	No	RC	RC	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate [1]	UV	BR	BR	NV	BR	WV	NV	NV	NV	NV
Substrate shape	NA	AN	NV	NA	AN	NA	NA	NA	NA	NA
Flow type [1]	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	No	NO	NO	No	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SPOT CHECK										
Material [1]	ER	ER	ER	ER	ER	ER	ER	ER	ER	ER
Bank modification(s)	NO	NO	No	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

K BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	U	S	U	S	S	U	S	U	S
LEFT BANK FACE *(structure)* BA/US/C	S	S	B	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	B	U	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	IG	IG	IG	IG

L CANOPY VEGETATION LAYERS *(% cover)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				E						
Emerg reeds/sedges/rushes	/	/	/	E		E	E			
Floating-leaved (rooted)										
Free-floating		/	/	/						
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved		/								
Filamentous algae										

1996 RIVER HABITAT SURVEY: SITE SPECIFICATION

Page 3 of 4

M LAND USE WITHIN 50m OF BANKTOP *(tick E if >33% banklength)* ✓ *if present*

	L	R	E		L	R	E
Broadleaf/mixed woodland *(BL)*				Rough pasture *(RP)*			
Coniferous plantation *(CP)*				Improved/semi-improved grass *(IG)*	E	E	
Orchard *(OR)*				Tilled land *(TL)*			
Moorland/heath *(MH)*				Wetland (eg bog, marsh, fen) *(WL)*			
Scrub *(SC)*				Open water *(OW)*			
tall herbs' rank vegetation (TH)		E		Suburban/urban development *(SU)*			

N BANK PROFILES *(tick E if >33% banklength)*

	L	R	E		L	R	E
Natural/unmodified				Artificial/modified			
Vertical/undercut				Resectioned			
Vertical + toe				Reinforced - whole bank			
Steep (>45°)	E	E		Reinforced - top only			
Gentle				Reinforced - toe only			
Composite				Artificial two-stage			
				Poached			
				Embanked			
				Set-back embankments			

O PRESENCE OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☑	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☑	☐	☐

P PRESENCE OF RIFFLE/GLIDE FEATURES *(tick one box per feature)*

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence *(select up to three features)*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

T CHANNEL DIMENSIONS *(to be measured at one site on a straight uniform section, preferably across a riffle)*

LEFT BANK			RIGHT BANK	
Banktop width (m)	30			
Banktop height (m)	1.7	Water width (m)	25	Banktop height (m) 1.7
Embanked height (m)		Water depth (m)	N.V	*Embanked height (m)*

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

U ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

V EVIDENCE OF RECENT MANAGEMENT *(tick appropriate box(es))*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

Q FEATURES OF SPECIAL INTEREST *(tick appropriate box(es))*

None	☑				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

R CHOKED CHANNEL *(tick one box)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

S NOTABLE NUISANCE PLANT SPECIES *(tick appropriate box(es))*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nettle, Rhododendron bracken)

T OVERALL CHARACTERISTICS *(tick appropriate box(es))*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

U ALDERS *(tick appropriate box(es))*

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE models for plant genera and species Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7417

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: CRANE

Date 15/5/1996 Time 12:40 Surveyor name P. Kerkett Accreditation code PF35

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from, left bank ✓ right bank ✓ channel ✓ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ✓ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(within 500m of survey)*

Riffles 5	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use DRY) for - Riffles 4 Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES *(to be assessed across channel within 1m wide transect)* * = one entry only

Spot check 1 is upstream ☐ downstream ✓	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material *	EA	EA	EA	EA	EA	BR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TRANSECT *(1m wide transect)*										
Channel substrate *	SI	SA	SA	PP	PP	PP	PP	PP	PP	PP
Substrate shape	NJ	/	/	IR	IR	IR	IR	IR		
Flow type *	SM	SM	SM	UU	SM	RP	SM	SM	SM	
Channel modification(s)	NO	NO	NO	NO	NO	CV	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional fence	✓									
Material *	EA	EA	EA	EA	EA	BR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO

P BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from IR, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	TH	BL	TH	TH	SU	RP	RP	TH	TH
LEFT BANK-TOP *(structure within 1m)* BANSIC	S	S	S	U	S	B	S	W	S	S
LEFT BANK FACE *(structure)* BANSIC	S	S	S	S	U	B	S	S	S	S
RIGHT BANK FACE *(structure)* BANSIC	S	S	S	S	S	B	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BANSIC	S	S	S	S	U	B	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	BL	BL	BL	BL	SU	RP	TH	BL	TH

C CHANNEL VEGETATION COVER *(within 1m wide transect) 50m scale*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7417 1996 RIVER HABITAT SURVEY SCORING SHEET Page 3 of 4

B SURROUNDING LAND USE *(within 100m of survey)*

	L	R
Broadleaf/mixed woodland (BL)	✓	E
Coniferous plantation (CP)		
Orchard (OR)		
Moorland/heath (MH)		
Scrub (SC)		
Herbs/ rank vegetation (TH)	✓	✓

	L	R
Rough pasture (RP)	E	E
Improved/semi-improved grass (IG)		
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)	✓	
Open water (OW)		
Suburban/urban development (SU)		

C CHANNEL MODIFICATIONS

Natural/unmodified	L	R
Vertical/undercut	✓	✓
Gentle (< 45°)		
Steep (> 45°)	✓	✓
Gentle		
Vertical		

Artificial/modified	L	R
Resectioned		
Reinforced - whole bank	✓	✓
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Set-back embankments		

D CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	✓	☐	☐
Coarse woody debris	✓	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Ie predominant flow sequence *(select up to three features)*:

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

A CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	4.90	RIGHT BANK	
Banktop height (m)	0.50	Water width (m)	4.50	Banktop height (m)	0.55
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If trampling lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

B HYDROLOGICAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

C RIVER CHANNEL MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

D CHANNEL VEGETATION

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ✓
Leafy debris ☐ Fen ☐ Fleet ☐

E CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

F BANKSIDE VEGETATION

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

G LAND USE AND ACTIVITIES

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole (Kingfisher) dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: culvert is railway tunnel. bit. fly i. nibble d. site. Downstream area of ext. managed. low clay pigeon shooting (clearing of trees etc) Wetland is worthy note on bdy within embankment (fenced)

H ALDER

Alder? None ☐ Present ☐ Extensive ✓ Diseased Alder? None ✓ Present ☐ Extensive ☐

1995 RIVER HABITAT SURVEY: SITE DETAILS for plant genera and species recorded

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7418

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: AVON

Date 15/5/1996 Time: 16:00 Surveyor name I. Pickett Accreditation code: PF35

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE - VALLEY FORM NOTES:

D LOCATION OF RIFFLES, POOLS AND POINT BARS *(indicate with tick)*

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: SPOT CHECKS Page 2 of

TALLY (use BAR) for - Riffles Pools Uneveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES *(for each spot check)*

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material *	EA	EA	FS	EA	EA	ER	EA	BA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	NV	NV	NV	RP	NV	NV	RP	NV	NV	RP
Substrate shape	/	/	/	ER	/	/	AV	/	/	IR
Flow type *	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional fence										
Material *	NV	WR	NV	WP	WP	NV	NV	NV	NV	NV
Bank modification(s)	NK	RI	NK	RI	RI	NK	NK	NK	NK	NK
Bank feature(s)	NO	NO	NK	NO	WK	NK	NK	NK	EC	NK

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, SCR, SC, TR, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	TH	RP	RP	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* BASIC	U	S	S	U	S	S	S	U	U	S
LEFT BANK FACE *(structure)* BASIC	S	S	S	U	S	B	S	U	B	U
RIGHT BANK FACE *(structure)* BASIC	U	B	NV	B	NV	NK	NK	NK	B	NK
RIGHT BANK-TOP *(structure within 1m)* BASIC	U	NV	NV	U	U	NK	NK	NK	U	NK
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

G PLANT SPECIES KNOWN TO BE PRESENT *(tick one box per species)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/		/						
Emerg reeds/sedges/rushes	Phragmites	/	/		/	✓		✓	✓	
Floating-leaved (rooted)										
Free-floating										
Amphibious	only rightbank		✓	/						
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			/	/		/	✓	✓	✓	✓

SITE NO. 7418 — 1995 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaved/mixed woodland (BL)	E		Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb* and vegetation (TH)	✓		Suburban/urban development (SU)		E

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	✓	Resectioned		
Vertical + toe			Reinforced - whole bank	/	E
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☐	☐
Bank(s)	☐	☑	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

1995 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of

L CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	32.40	RIGHT BANK
Bankop height (m)	0.50	Water width (m)	32.0	Bankop height (m) NK
Embanked height (m)		Water depth (m)	0.95	*Embanked height (m)*

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ mixture ☐

Location of measurement is: cliffe ☐ run or glide ☑ other ☐ *(tick one box)*

M WATER QUALITY FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

N RIVER MANAGEMENT

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Embankment ☐ Other ? State .....

O ADJACENT LAND USE

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state) .....
Braided/wide channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

P CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q PLANT SPECIES OF SPECIAL INTEREST

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL CHANNEL MODIFICATION

Major impacts: landfill - tipping - filter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: boggy/gooey along R.B. shallow / fast flowing in some areas (muddy U/S), under deeper, more rotate flow in other areas. Small amount of weed moving on L.B.

S OVERALL IMPACT

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7419

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 233089 River: BRATLEY WATER

Date 24/7/1996 Time 10.00 Surveyor name N. GRIEVE Accreditation code RF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ coocave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symetrical floodplain
- ☐ asymetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND UNDERCUTS *(riparian side of channel)*

Riffles	14	Unvegetated point bars	3
Pools	25	Vegetated point bars	—

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use 5bf) for · Riffles Pools Unveg -side bars Veg point bars

PHYSICAL ATTRIBUTES *(for the assessment of channel within a 10m wide transect)*

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if [illegible]										
Material *(IN,BE,BO,CO,GT,SA,PE,CL,CC,SP,VP,GA,BR,RR,BW)*	EA	EA	EA	EA	CL	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ED)*	NO	NO	NO	NO	NO	PC	NO	NO	PC	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	SB	NO	NO	SB	SB	SB	NO	EC	NO	SB
CHANNEL										
Channel substrate * *(IN,BE,BO,CO,GP,SA,SI,CL,PE,AR)*	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape *(FL,ON EL,SP,CU,PO,BL,Others - note)*	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type * *(FT,CH,RW,UW,CT,RP,UP,SM,NP,NO)*	UW	NP	NP	NP	UW	NP	NP	NP	UW	NP
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,NO,BO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if [illegible]										
Material *(IN,BE,BO,CO,GT,SA,PE,CL,CC,SP,VP,GA,BR,RR,BW)*	EA	EA	EA	CL	CL	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,ED)*	NO	NO	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	SC	NO	EC	NO	NO	SC	NO	NO	SB	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	MH	BL	BL
LEFT BANK-TOP *(structure within 1m)* S/U/S/C	S	C	S	S	S	S	S	S	S	S
LEFT BANK FACE *(structure)* S/U/S/C	S	S	S	U	U	S	S	S	S	C
RIGHT BANK FACE *(structure)* S/U/S/C	S	S	B	U	U	S	S	C	S	S
RIGHT BANK-TOP *(structure within 1m)* S/U/S/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	BL	BL	BL	BL	BL	BL	BL	BL	BL

BANKSIDE VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓		✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	Sparganium Sedge		✓		✓				✓	✓
Floating-leaved (rooted)	Potamogeton Pondweed	✓	✓	✓					✓	✓
Free-floating										
Amphibious	Nasturtium	✓								✓
Submerged broad-leaved										✓
Submerg fine/linear-leaved	?			✓		✓				✓
Filamentous algae			✓							✓

1996 RIVER HABITAT SURVEY: 500m SWEEP UP

SI 0.7419

HABITAT WITHIN 50 m OF BANK TOP *(Tick ✓ if present)*

	L	R		L	R
Broadleaved woodland *(BL)*	E	E	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moor/heath *(MH)*	✓		Wetland (eg bog, marsh, fen) *(WL)*		
Scrub			Open water *(OW)*		
Tall "rank" vegetation (TH)			Suburban/urban development *(SU)*		

BANK SIDE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Concrete			Artificial two-stage		
			Pooched	✓	✓
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

INSTREAM FEATURES AND SUBSTRATE

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock (CLAY)	☐	☑	☐
Rapid(s)	☑	☑	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Backwater(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Boil(s)	☐	☐	☑	Vegetated side bar(s)	☐	☑	☐

predominant flow sequence *(select up to three features)*: SLACK POOLS (+ V. SMALL RF)
(NOTE: Water mostly in Pools, with shallow RF)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS *(to be measured at a representative section, preferably a straight reach)*

LEFT BANK				RIGHT BANK	
Bankop height (m)	0.6	Bankop width (m)	4.5	Bankop height (m)	0.6
Embanked height (m)	—	Water width (m)	2.8	*Embanked height (m)*	—
		Water depth (m)	0.503		

If trashline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

REGIONAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No Yes, <33% of site ☐ >33% of site ☐

INFLUENCE OF RECENT MANAGEMENT ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

FEATURES OF ECOLOGICAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

DOMINANCE OF PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron (Leyland)

OVERALL MANAGEMENT CATEGORY

Major Impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = NEW FOREST (NP)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (Grey/Purple) (Common/Little)

Other significant observations: Excellent natural channel, GP + features.

BANKSIDE TREES

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: THE mods for plant genera and cover | Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7420

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 383030 River: BEAULIEU.

Date 5/7/1996 Time: 09:30 Surveyor name N GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* (4WD track)

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☒ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN-SPOT CHECKS | Page 2 of 4

TALLY (use JHI) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 5m wide transect)*

Spot check 1 is upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional zone*										
Material *MV,BE,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL *TICK if functional zone*										
Channel substrate * *MV,BE,BO,CO,OP,SA,SI,CL,PC,AR*	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape *FL,DY,EL,SP,CU,FO,BL,Others - note*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type * *FF,CH,BW,UW,CS,RF,UP,SM,NP,NO*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *MV,NO,RO,MB,VB,MI,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional zone*										
Material *MV,BE,BO,CO,GS,SA,PE,CL,CC,SP,WP,GA,BR,RR,BW*	EA	EA	EA	EA	EA	EA	EA	SA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *MV,NO,EC,SC,PB,VP,SB,VS*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP *(structure within 1m)* BA/US/C	S	C	S	S	C	C	C	S	C	C
LEFT BANK FACE *(structure)* BA/US/C	U	S	S	S	U	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	S	S	S	S	U	U	S	S
RIGHT BANK TOP *(structure within 1m)* BA/US/C	S	S	S	C	S	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	WL	BL	BL	BL	BL	BL	BL	BL	BL

G PLANT SPECIES LIST *(to be assessed over a 10m wide transect)*

	1	2	3	4	5	6	7	8	9	10	
NONE / PLANT GENERA - list first 5											
Bryophytes/lichens											✓
Emerg broad-leaved herbs *Veronica*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes *Juncus*	✓	E	✓	E	E	E	✓	E	✓	✓	E
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad leaved											
Submerg fine/linear-leaved											
Filamentous algae											

SITE NO. 7420 1996 RIVER HABITAT SURVEY: SUPPLEMENTARY DATA SHEET | Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP *(to be assessed over a 10m wide transect)*

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL) CARR	E	E
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU) (ROAD)		✓

I BANK CONDITIONS *(to be assessed over a 10m wide transect)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank (ROAD SIDE)	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J AMOUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☒	☒

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

K AMOUNT OF IN-CHANNEL AND MARGINAL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE/SLACK

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES | Page 4 of 4

L CHANNEL DIMENSIONS *(to be assessed at the mid-site transect (the second bridge upstream))*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.3	Banktop width (m)	12.5	Banktop height (m)	0.3
Embanked height (m)		Water width (m)	11.0	*Embanked height (m)*	
		Water depth (m)	NK		

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(to be assessed over a 500m wide transect)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges ☒ Roadbridges = 1 Other =

Is water impounded by weir/dam? No Yes, <33% of site ☐ >33% of site ☐

N RECENT CHANNEL MANIPULATION *(to be assessed over a 500m wide transect)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

O FEATURES OF BIOLOGICAL INTEREST *(to be assessed over a 500m wide transect)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☒ (E)
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHOKED CHANNEL *(to be assessed over a 500m wide transect)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q PROMINENCE OF ALIEN PLANTS *(to be assessed over a 500m wide transect)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER CORRIDOR *(to be assessed over a 500m wide transect)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: lowland site, natural channel with extensive wetland / Carr on both banks (v. good habitat)

S TREES *(to be assessed over a 500m wide transect)*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with HB mods for plant genera and fencing — Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 74421

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 425032 River: DARKWATER

Date 5/7/1996 Time: 12-30 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (record actual number)

Riffles 17 Unvegetated point bars

Pools 1 Vegetated point bars

PLEASE POST COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DR F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS — Page 2 of 4

TALLY (use BH) for - Riffles ||| Pools | Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel within 4 x m wide transect) *x = use cattle only*

Spot check 1 is 'upstream' ↑ 'downstream' ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK ATTRIBUTES (tick if feature present)										
Material (BE,BO,CO,CS,EA,PC,CL,CC,SP,WP,GA,BR,SS,SW)	EA	EA	EA	EA		EA	EA	EA	EA	EA
Bank modification(s) (VE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS		NO	NO	NO	NO	NO
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	NO		NO	NO	SB	NO	SC
CHANNEL ATTRIBUTES										
Channel substrate (BE,BO,CO,GP,SA,SI,CL,PE,AR)	SI	SI	SI	SI		SI	GP	GP	GP	GP
Substrate shape (FL,OV,EL,SP,CU,FO,IR, Others - use)	NA	NA	NA	NA		NA	FO	FO	FO	FO
Flow type (FF,CH,SW,UW,CF,RF,UP,SM,NP,NO)	SM	SM	UW	SM		NP	UW	UW	SM	UW
Channel modification(s) (ME,NO,CV,RS,RI,DA,FO)	RS	RS	RS	RS	CV	NO	NO	NO	NO	NO
Channel feature(s) (NV,NO,RO,MB,VB,MI,TR)	NO	NO	NO	NO		TR	MB	NO	NO	NO
RIGHT BANK (tick if feature present)										
Material (BE,BO,CO,CS,EA,PE,CL,CC,SP,WP,GA,BR,SS,SW)	EA	EA	EA	EA		EA	EA	EA	EA	EA
Bank modification(s) (VE,NO,RS,RI,PC,BM,EM)	RS	RS	RS	RS		NO	NO	NO	NO	NO
Bank feature(s) (NV,NO,EC,SC,PB,VP,SB,VS)	NO	NO	NO	VS		NO	SC	NO	SC	SC

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MN, SC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	RL	BL	SU	BL	BL	BL	RL	RL
LEFT BANK-TOP (structure within 1m) BA/SC	C	C	C	S		S	S	S	C	C
LEFT BANK FACE (structure) BA/SC	C	C	S	S		S	S	S	C	C
RIGHT BANK FACE (structure) BA/SC	C	C	S	C		S	S	C	C	S
RIGHT BANK-TOP (structure within 1m) BA/SC	C	C	C	S		U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	SU	IG	IG	IG	IG	IG

VEGETATION (Optional) (Use 'x' for abundance, 'P' for presence)

NONE / PLANT GENERA - list first 5					✓					✓
Bryophytes/lichens	✓	✓	✓	✓			✓	✓	✓	✓
Emerg broad-leaved herbs Paranthe Apium				✓						✓
Emerg reeds/sedges/rushes Sparganium										
Floating-leaved (rooted) Callitriche				✓						✓
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY — Page 3 of 4

SITE NO.

LAND USE WITHIN 50m OF BANKTOP (tick if present)

	L	R		L	R
Semi-natural woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓		Wetland (eg bog, marsh, fen) (WL)	E	E
Scrub (SC)	✓	✓	Open water (OW)		✓
"Tall herbs" rank vegetation (TH)			Suburban/urban development (SU)	✓	✓

BANK SECTIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Undercut	✓	E	Resectioned	E	E
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)	E		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	☐	✓	☐
Underwater tree roots	☐	☐	✓
Fallen trees	✓	☐	☐
Coarse woody debris	☐	✓	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	☐	✓	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	☐	✓	☐

Dominant flow sequence *(select up to three features)*: GLIDE / RIFFLE

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES — Page 4 of 4

CHANNEL DIMENSIONS (to be assessed across representative section of channel)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.55	Banktop width (m)	2.4	Banktop height (m)	0.7
Embanked height (m)		Water width (m)	2.1	Embanked height (m)	
		Water depth (m)	0.06		

If trapezium: lower than banktop break in slope, indicate: height (m) = 0.25 width (m) = 2.1

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: - - riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

ADJACENT SURVEY HABITATS

None ☐
Waterfalls > 5m high ☐ Artificial open water ☑ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☑ Carr ☑
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

ORNAMENTAL AND GARDEN PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron (bushes)

OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - sand martin - heron - dragonflies/damselflies

Other significant observations: Top ½ RS in Wood / Carr.
Bottom ½ more natural RF / Glide.

ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7422

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 536033 River: MEON.

Date 23/7/1996 Time: 14.00 Surveyor name(s): GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☒ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles		Unvegetated point bars	
Pools		Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use |||) for - Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES *(to be assessed across channel within a 1m wide transect)* * = one entry only

Spot check 1 is: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	BR	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RI	NO
Bank feature(s)	VS	NO	SB	NO	NO	VS	NO	VS	NO	NO
CHANNEL										
Channel substrate *	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material *	EA	SI	EA	SA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	NO	RS	RS	RS	RS
Bank feature(s)	VS	NO	VS	VS	VS	NO	VS	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	SC	TH	TH	TH	TH	SC	SU	TH
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	S	S	U	S	S	I	B	S
LEFT BANK FACE *(structure)* BA/US/C	S	C	C	I	II	S	C	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	S	S	C	S	C	C	C	C	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	U	U	U	U	U	C	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TH	TL	TL	TL	BL	BL	WL	WL	IG

G CHANNEL VEGETATION TYPES *(% cover)*

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium									
Emerg reeds/sedges/rushes	Sparganium									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

H LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland *(BL)*		☒	Rough pasture *(RP)*		
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	☒	
Orchard *(OR)*			Tilled land *(TL)*		☒
Moorland/heath *(MH)*	☒		Wetland (eg bog, marsh, fen) *(WL)*	☒	☒
Scrub *(SC)*	☒		Open water *(OW)*		
Tall herbs* rank vegetation *(TH)*	☒	☒	Suburban/urban development *(SU)*		

I BANK PROFILE *(tick all that apply)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recectioned	☒	☒
Vertical + toe			Reinforced - whole bank	☒	☒
Steep (>45°)	☒	☒	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

J PRESENT RIPARIAN TREE AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☒	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

K CHANNEL FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Dropped deadwater	☐	☒	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☒	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Boil(s)	☒	☐	☐	Mature island(s)	☒	☐	☐
Glide(s)	☒	☐	☐	Unvegetated side bar(s)	☐	☒	☐
Pool(s)	☒	☐	☐	Vegetated side bar(s)	☐	☐	☒

Indicate **predominant flow sequence** *(select up to three features)*: SLACK (NP)

L CHANNEL DIMENSIONS *(to be measured at a representative riffle (preferably second) in the 50m)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.2	Banktop width (m)	8.0	Banktop height (m)	1.6
Embanked height (m)		Water width (m)	2.5	*Embanked height (m)*	
		Water depth (m)	0.04		

If trashline lower than banktop break in slope, indicate: height (m) = 0.3 width(m) = 5.5

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES *(tick all that apply)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

N RIVER MANAGEMENT ACTIVITY *(tick all that apply)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

O AREAS OF SPECIAL INTEREST *(tick all that apply)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☒
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Flush ☐

P CHOKED CHANNEL *(% cover)*

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

Q ROADSIDE NUISANCE SPECIES *(% cover)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

R OVERALL RIVER MANAGEMENT

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying (Overdeepening) - afforestation - fisheries management (silting) other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter (mink) water vole - kingfisher - dipper - grey wagtail - sand martin - heron (ringed/unringed)

Other significant observations: RS lowland channel - NATURE RESERVE (LNR)

S BANKSIDE TREES *(% cover)*

Alders? None ☐ Present ☐ Extensive ☒ Diseased Alders? None ☒ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7423

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 653090 River: SOUTHWICK

Date 23/7/1996 Time: 11.00 Surveyor name N. GRIEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(record total number)*

Riffles	15	Unvegetated point bars	
Pools	12	Vegetated point bars	

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: 100m SPOT CHECKS

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TALLY (one per) for - Riffles Pools Uneveg. side bars Veg point bars

PHYSICAL ATTRIBUTES *(for 1 dominant across channel within a 1m wide transect)* — one every 5m)

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK *TICK if functional transect*										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SB	SC	NO	SB	SB	NO	SC
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	FD	SI	FD	FD
Substrate shape	PO	PO	PO	PO	PO	PO	PO	NA	PO	PO
Flow type *	NP	NP	UW	SM	NP	NP	UN	NP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	TC	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional transect*	☑	☑	☑							
Material *	EA	EA	EA	EA	EA	EA	EA	EA	SI	EA
Bank modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	VS	NO	NO	SC	NO	NO	SC	SC

R-BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, IC, TH, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	C	C	S	S	C	S
LEFT BANK FACE *(structure)* B/U/S/C	S	U	S	B	S	U	S	S	S	B
RIGHT BANK FACE *(structure)* B/U/S/C	S	C	U	U	S	S	S	S	S	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	S	S	S	S	S	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TH	BL	BL	BL	BL	BL	BL	BL

CHANNEL VEGETATION CLASS *(for 1 dominant across channel within a 1m wide transect)*

NONE / PLANT GENERA - list first 5				✓				✓		✓
Bryophytes/lichens										
Emerg broad-leaved herbs	Apium									✓
Emerg reeds/sedges/rushes	Sparg.		✓	✓					✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved			✓							✓
Submerg fine/linear-leaved										
Filamentous algae	✓		✓				✓			✓

1996 RIVER HABITAT SURVEY: 100m SPOT CHECKS

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SI 0.7423

BANKSIDE WITHIN 5m OF BANKTOP *(for 1 dominant across channel within a 1m wide transect)*

	L	R		L	R
Broadleaved woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub			Open water (OW)		
Tall herb / rank vegetation (TH)			Suburban/urban development (SU)		

BANK CONSTRUCTION *(for 1 dominant across channel within a 1m wide transect)*

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Revetmented	✓	✓
Vertical - toe			Reinforced - whole bank		
Steep (> 45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Concave			Artificial two-stage		
			Pooched	✓	
			Embanked		
			Set-back embankments		

BANKSIDE TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	☐
Continuous	✓	✓

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	☐	☐	✓
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	☐	✓
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

WATERCOURSE FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	☐	✓
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	☐	✓	☐
Pool(s)	✓	☐	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Boil(s)	✓	☐	☐	Mature island(s)	✓	☐	✓
Glide(s)	☐	✓	☐	Unvegetated side bar(s)	☐	☐	✓
Shoal(s)	☐	☐	✓	Vegetated side bar(s)	☐	✓	☐

predominant flow sequence *(select up to three features)*: RIFFLE - POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

Page 4 of 4

CHANNEL DIMENSIONS *(for 1 dominant across channel within a 1m wide transect, and for cross-section, and for the whole 100m stretch)*

LEFT BANK	Bankface	Banktop width (m)	5.5	RIGHT BANK	Bankface
Banktop height (m)	0.6	Water width (m)	4.2	Banktop height (m)	0.65
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL MODIFICATIONS *(for the whole 100m stretch)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EXTENT OF RECENT MANAGEMENT *(for the whole 100m stretch)*

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

OTHER FEATURES OF SPECIAL INTEREST *(for the whole 100m stretch)*

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

CHOKED CHANNEL *(for the whole 100m stretch)*

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANT SPECIES *(for the whole 100m stretch)*

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL LAND USE *(for the whole 100m stretch)*

Major impacts: landfill - tipping (inert) sewage - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WOODLAND

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron (dragonflies) damselflies

Other significant observations: Mostly natural channel running through BL

RIPARIAN TREES *(for the whole 100m stretch)*

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and fencing - Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7424

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 733086 River: LAVANT

Date 22/7/1996 Time 12.15 Surveyor name N GREEVE Accreditation code PF12

Adverse conditions affecting survey? No ■ Yes □ *If yes, state* .....

Bed of river visible? No □ partially □ entirely ■ *(tick one box)*

IFE single photograph: general character? No □ Yes ■ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ■ Yes □ *(tick one box)*

Site surveyed from: left bank □ right bank ■ channel ■ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

- □ shallow vee
- □ concave/bowl *(If U-shaped glacial valley - add "U")*
- □ deep vee
- ■ symmetrical floodplain
- □ gorge
- □ asymmetrical floodplain

Terraced valley floor? No ■ Yes □ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES/POOLS AND POINT BARS (tick to total 10)

Riffles | Unvegetated point bars

Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - THIN SPOT CHECKS - Page 2 of 4

TALLY (use IIII) for: Riffles | Pools | Unveg. side bars | Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within 5-10m wide transect)

Spot check 1 is: upstream ■ downstream □

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional (exc. [illegible])										
Material *	EA	EA	EA	EA	EX	EA	EA	EX	EA	EX
Bank modification(s)	RS	RS	RS	RS	RR	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if fractional (exc. [illegible])										
Channel substrate *	SP	SI	SP	SP	CO	SP	SP	SP	SP	CO
Substrate shape	NV	NA	PO	IR	PO	IR	PO	PO	PO	PO
Flow type *	NO	NO	NO	NO	NO	NO	NO	NP	NO	NO
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	RR	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional (exc. [illegible])										
Material *	EA	SI	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RR	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, SC, TH, RP, RG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SC	SC	SC	SC	BL	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	S	S	S	S	S	C
LEFT BANK FACE *(structure)* B/U/S/C	U	S	S	C	U	S	S	S	S	U
RIGHT BANK FACE *(structure)* B/U/S/C	U	S	U	S	S	U	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RG	RG	RP	RG	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES (for channel 2-10m wide)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5				↘	↘					↘
Bryophytes/lichens										
Emerg broad-leaved herbs	Epilobium ↘	↘	↘			↘	↘	↘	↘	↘
Emerg reeds/sedges/rushes						↘		↘		↘
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7424 — 1996 RIVER HABITAT SURVEY - SWEEP UP - Page 3 of 4

H LAND USE WITHIN 50m OF BANKTOP (tick to total 100%)

	L	R		L	R
Broadleaf/mixed woodland (BL)	↘		Rough pasture (RP)		E
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	↘		Open water (OW)		
Tall herbs* rank vegetation (TR)	↘	↘	Suburban/urban development (SU)	E	↘

I BANKSIDE FEATURES (tick to total 100%)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pooled	↘	↘
			Embanked		
			Set-back embankment		

J SPOT CHECK FEATURES AND SOCIAL ATTRIBUTES

TREES *(tick one box per bank)*

	Left	Right
None	□	
Isolated/scattered		□
Regularly spaced, single	□	□
Occasional clumps	□	□
Semi-continuous	□	□
Continuous	□	□

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	□		□
Overhanging boughs	□		□
Exposed bankside roots		□	□
Underwater tree roots	□		□
Fallen trees	□	□	□
Coarse woody debris	□		□

K CHANNEL FEATURES AND BACKGROUND ATTRIBUTES

	None	Present	E
Waterfall(s)		□	□
Cascade(s)		□	□
Rapid(s)		□	□
Riffle(s)		□	□
Run(s)		□	□
Boil(s)		□	□
Glide(s)		□	□
Pool(s)		□	□

	None	Present	E (≥33%)
Marginal deadwater (1 POOL)	□		□
Exposed bedrock		□	□
Exposed boulders		□	□
Unvegetated mid-channel bar(s)		□	□
Vegetated mid-channel bar(s)		□	□
Mature island(s)		□	□
Unvegetated side bar(s)		□	□
Vegetated side bar(s)		□	□

Indicate predominant flow sequence *(select up to three features)*: DRY.

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES - Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at least 10m upstream of any bridge)

LEFT BANK		Banktop width (m)	4.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	1.0 (CHANNEL FLOOR)	Banktop height (m)	0.75
Embanked height (m)		Water depth (m)	DRY	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) □ unconsolidated (loose) ■ unknown □

Location of measurement is: riffle □ run or glide □ other ■ *(tick one box)* DRY

M ARTIFICIAL FEATURES (include all within 50m upstream and downstream)

None □ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ■ Yes, <33% of site □ >33% of site □

N RIVERSIDE MANAGEMENT (within 50m)

None ■ Dredging □ Mowing □ Weed-cutting □ Enhancement □ Other ? State .....

O FEATURES OF SPECIAL INTEREST (within 50m)

None ■

Waterfalls > 5m high □	Artificial open water □	Bog □	Other (state) .....
Braided/side channels □	Natural open water □	Carr □	
Debris dams □	Water meadow □	Marsh □	
Leafy debris □	Fen □	Flush □	

P CHOKED CHANNEL (within 50m)

Is 33% or more of the channel choked with vegetation? NO ■ YES □

Q NOTABLE INVASIVE PLANTS (within 50m)

None ■ Giant Hogweed □ Himalayan Balsam □ Japanese Knotweed □ Other? Nettle Rhododendron bracken

R OVERALL CATCHMENT FEATURES

Major impacts: landfill - tipping (litter) - sewage - pollution - drought - obstruction - mill - dam - sand - coal - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = RAILWAY (LHB) RECR. GRASS (RHB)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RS channel — mostly straight + uniform
DRY at time of survey

S ALDERS

Alders? None ■ Present □ Extensive □ Diseased Alders? None ■ Present □ Extensive □

BACKGROUND AND BASIN INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7435

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 278926 River: BOLSBRIDGE WATER

Date 29/5/1996 Time: 1600 Surveyor name P Kennedy Accreditation code:

Adverse conditions affecting survey? No ✓ Yes ☐ If yes, state

Bed of river visible? No ☐ partially ☐ entirely ✓ (tick one box)

IFE single photograph: general character? No ☐ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ (tick one box)

Site surveyed from: left bank ✓ right bank ☐ channel ☐ (tick as appropriate)

DOMINANT VALLEY FORM

☐ shallow vee — ✓ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee — ☐ symmetrical floodplain
☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ IFE - VALLEY FORM NOTES:

CHANNEL FEATURES AND BANK STRUCTURE

Riffles 23 Unvegetated point bars 2
Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use ||||) for - Riffles ||| Pools |||| Unveg. side bars || Veg point bars

SUBSTRATUM TYPES

Spot check ✓ if predominant	1	2	3	4	5	6	7	8	9	10
RIFFLE SECTION										
Material	EA	EA	CL	CLF	EA	ER	BA	CA	CO	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	NO	NG	NG	NG	SC	NO
POOL SECTION										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	WI
Flow type	UU	UU	RP	UU	UU	RP	RP	RP	LP	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANK SECTION										
Material	GR	EA	EA	EA	GO	CL	CL	CL	EA	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	SC	SC	NO	NO	NO

MARGINAL AND LAND USE INFORMATION

Land use: choose one from IR, CF, OR, HW, RC, TH, RP, FO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IC	IG	IG	IG	SC	SC	SC	SC	IG
LEFT BANK-TOP (structure within 1m)	C	C	U	U	C	C	C	C	C	C
LEFT BANK FACE (structure)	S	C	B	U	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	U	U	S	U	U	U	B	U	U
RIGHT BANK-TOP (structure within 1m)	S	U	C	C	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TL	RL	BL	TH	TH	TH	TH	TH	TH

MARGINAL VEGETATION TYPES

NONE / PLANT GENERA - list first 5	✓		✓						
Bryophytes/lichens		✓		✓					
Emerg broad-leaved herbs		✓	✓		✓	✓	✓	✓	
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/linear-leaved									
Filamentous algae									

STUDY NO. 7435

RIVER MARGIN FEATURES AND DIMENSIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	✓
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (>33%)
Shading of channel	☐	✓	☐
Overhanging boughs	☐	✓	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	☐	✓	☐
Coarse woody debris	☐	✓	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	☐	✓	☐
Cascades(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	✓	Exposed boulders	✓	☐	☐
Riffle(s)	☐	☐	✓	Unvegetated mid-channel bar(s)	✓	☐	☐
Run(s)	☐	✓	☐	Vegetated mid-channel bar(s)	✓	☐	☐
Bed(s)	☐	☐	✓	Mature island(s)	✓	☐	☐
Glide(s)	☐	☐	✓	Unvegetated side bar(s)	☐	✓	☐
Pool(s)	☐	✓	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (select up to three features): Riffle Pool Run.

RIVER MARGIN FEATURES AND DIMENSIONS

LEFT BANK		Bankfull width (m)	2·20	RIGHT BANK
Bankfull height (m)	0·50	Water width (m)	1·50	Bankfull height (m)
Embanked height (m)		Water depth (m)	0·15	Embanked height (m)

If riverbank lower than bankfull break in slope, bankfull height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ (tick one box)

ARTIFICIAL FEATURES

None ✓ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ☐ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State

NATURAL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ✓ Water meadow ☐ Marsh ☐
Leafy debris ✓ Fen ☐ Flush ☐

CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

BANKSIDE VEGETATION

None ✓ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron, bracken

OTHER INFORMATION

Major Impacts: landfill - dredging - flow - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - farming - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: G - Mill Stream, diagonal, upper section banks and mid section all down cutting. Small upper wooded bank. Very little managed & grazed, partially in part.

FISHERIES

Algae? None ✓ Present ☐ Extensive ☐ Diatoms? Algae? None ✓ Present ☐ Extensive ☐

TL

River Habitat Survey — Background map-based information

Altitude (m)	Slope (m/km)	Flow category (1–10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

Field survey details

Reference network site number: 7437

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX448964 River: WOLF

Date: 23/5/1996 Time: 1430 Surveyor name: C. HENWOOD Accreditation code: PFII

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

Predominant valley form (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

Number of riffles, pools and point bars *(guidance continued on page 2)*

Riffles 24 Unvegetated point bars

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

River Habitat Survey — Transect checks

TALLY (see RH) for - Riffles 444 44 Pools 11 Unveg. side bars Veg point bars

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
RIPARIAN										
Material	CL	EA	CL	BC	BG	BG	PA	CA	BE	BC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BE	BC	CO	CO	CO	BE	CO	GP	CO	CO
Substrate shape	EL	EL	EL	FL	FL	FL	FL	FL	FL	FL
Flow type	BU	GU	RP	GU	RP	RP	FA	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO
BANKTOP										
Material	CL	CL	CL	CL	ER	ER	ER	ER	ER	ER
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use and vegetation structure

Land use: choose one from BL, CF, OR, AH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	RP	SC	SC	RP	RP	FA	SC	SC
LEFT BANK-TOP *(structure within 1m)* BA/SU/C	S	S	S	S	S	S	S		S	S
LEFT BANK FACE *(structure)* BA/SU/C	S	U	S	S	S	S	S	U	S	S
RIGHT BANK FACE *(structure)* BA/SU/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/SU/C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	FA	IG	IG	IG	IG	IG	IG	IG

Channel vegetation types

NONE / PLANT GENERA - list first 5		✓	✓							✓
Bryophytes/lichens	✓			E	E	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓									✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

River Habitat Survey — Dimensions and inclusions

Channel dimensions

LEFT BANK		Banktop width (m)	3.70	RIGHT BANK	
Banktop height (m)		Water width (m)	1.60	Banktop height (m)	1.80
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

Artificial features

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

Recent channel maintenance

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

Features of special interest

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

Choked channel

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Non-native species and notes

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? *Identify* Rhododendron bush

Human disturbances

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - pier - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Steep clean silt bed mink out. dip in bed forming steps some bed rock banks very little management.

River Habitat Survey — Channel and bankside features

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (C			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		S
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs/ rank vegetation (H)		✓	Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe	✓		Reinforced - whole bank		
Slope (>45°)		E	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

Trees (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☑
Continuous	☐	☐

Associated features (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Organic woody debris	☐	☑	☐

In-channel features

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): G/R

Bankside vegetation

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Erick H Brown
METHERELL
BEAMORTHY
DEVON
EX21 5TT

He is concerned about his neighbour slurry from chicken house going into river. Invited on showing me slurry tanks and pit but all in new shed with white cement and concrete

1 BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

2 FIELD SURVEY DETAILS

Reference network site number: 7441

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 830989 River: YOE

Date 7.1.97/1996 Time: 1205 Surveyor name P HENVILLE Accreditation code. PC 11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

3 PREDOMINANT VALLEY FORM (tick up to two only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☑ | IFE - VALLEY FORM NOTES:

4 NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 11 Unvegetated point bars 1
Pools 5 Vegetated point bars 1

) COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1 RIVER HABITAT SURVEY (SHOT CHECK) SITE NO. 7441

TALLY (use BII) for - Riffles 11111 11111 Pools 1111 Unveg. side bars Veg point bars

2 PHYSICAL ATTRIBUTES (tick or record as appropriate)

Spot check 1 m. upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
DOMINANT BED MATERIAL										
Material *BE,BO,CO,GS,LS,PE,CL,CC,ZP,VP,GA,SH,SS,BW*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *WF,NO,SC,SC,FS,VP,SB,VS*	NO	NO	LC	SC	NO	NO	NO	NO	NO	NO
LEFT BANK (tick one box per column)										
Channel substrate * *BV,BE,BO,CO,GP,SA,SI,CL,PE,AR*	NV	NV	NV	GP	NV	CO	GP	GP	CO	NV
Substrate shape: *FL,CV,EL,SP,CU,FO,BL,Others - see*				IR		FL	IC	IR	FC	
Flow type * *FT,CH,BW,UW,CF,RP,UP,SM,NP,NO*	NP	NP	NP	UW	NP	RP	UW	UW	SM	NP
Channel modification(s) *NE,NO,CV,RS,RI,DA,FO*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *WF,NO,RO,MB,VB,SH,TR*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick one box per column)										
Material *See BE,BO,CO,GS,LS,PE,CL,CC,ZP,VP,GA,SH,SS,BW*	EA	EA	EA	EA	CO	EA	EA	EA	EA	SA
Bank modification(s) *NE,NO,RS,RI,PC,BM,EM*	NO	NO	NO	NO	NO	NO	NO	NO	PC	NO
Bank feature(s) *WF,NO,SC,SC,FS,VP,SB,VS*	SC	SC	SC	NO	CC	SC	NO	NO	NO	NO

3 BANKTOP LAND USE AND VEGETATION STRUCTURE (for 50m either side of channel)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	SC	SC	IG	IG
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	C	C	U	U
LEFT BANK FACE *(structure)* B/U/S/C	S	S	B	C	S	S	S	U	U	C
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	S	S	S	S	B	S	B	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	U	U	U	U	U	U	U	B	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

4 CHANNEL VEGETATION TYPES (for 50m either side of channel)

NONE / PLANT GENERA - list first 5		✓	✓		✓				✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	✓					✓				V
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved				✓	✓	✓	✓			✓
Filamentous algae										

SITE NO. 7441

5 LAND USE WITHIN 50m OF TOP OF BANK (tick one box per column)

	L	R		L	R
...ndleaf/mixed woodland *(BL)*			Rough pasture *(RP)*		
...niferous plantation *(CP)*			Improved/semi-improved grass *(IG)*	G	E
...land *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		
...ath (SC)	✓		Open water *(OW)*		
...herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

6 BANK MODIFICATIONS (tick one box per column)

Natural/unmodified	L	R	Artificial/modified	L	R
...nd/undercut	E	E	Resectioned		
...ail + toe			Reinforced - whole bank		
...(>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
...ssive			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

7 BANK AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

8 CHANNEL FEATURES AND SOCIAL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Bank(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☐	☑

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☐	☑	☐

In the predominant flow sequence *(select up to three features)*: Riffle Pool

1 RIVER HABITAT SURVEY: DIMENSIONS AND DISCHARGES

2 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.50	Banktop width (m)	16.00	Banktop height (m)	1.60
Embanked height (m)		Water width (m)	11.20	*Embanked height (m)*	
		Water depth (m)	0.20		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

3 ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

4 EVIDENCE OF CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State: .....

5 FEATURES OF CONSERVATION INTEREST

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

6 CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

7 PRESENCE OF GIANT HOGWEED AND JAPANESE KNOTWEED

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nettle Rhododendron bracken

8 OVERALL CHANNEL MANAGEMENT CATEGORY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = Rank Foraging by cattle
Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Active river with many ~~E~~ and bars fully in use. Large deep pools with short riffles. Some bank cutting of bars to create side pools.

9 ALDER

Alder? None ☐ Present ☐ Extensive ☑ Diseased Alder? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY (with flow and sediment) SHEET 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7442

Mid-site grid reference of network site if different from designated location:

Grid Reference: 912029 River: EXE

Date 23.5./1996 Time: 10.45 a.m. Surveyor name Ian Harris Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF OCCURRENCES (SPOT CHECKS) AND SKETCH

Riffles 0 Unvegetated point bars 0

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (with SPOT CHECKS) SHEET 2 of 4

TALLY (use DD) for - Riffles Pools Unveg. side bars Veg point bars

E. PHYSICAL ATTRIBUTES

Spot check 1 = upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Bank modifications(1)	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R
Bank features(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Channel substrate *	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Substrate shape										
Flow type *	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modifications(1)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional force										
Material *	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
Bank modifications(1)	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R	RS/R
Bank features(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(To be assessed over a 10m wide channel)*

Land use: choose one from BL, CF, OR, MH, SC, TH, IP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP *(structure within 1m)* BANDC	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE *(structure)* BANDC	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE *(structure)* BANDC	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP *(structure within 1m)* BANDC	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

G. PLANT LIFE

NONE / PLANT GENERA - List first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 7442

1996 RIVER HABITAT SURVEY (SPOT CHECKS) SHEET 3 of 4

H. LAND USE, LOCATION OF MAN-MADE FEATURES AND SKETCH

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moor/unheath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* rank vegetation (TH)			Suburban/urban development (SU)	E	E

I. BANK MATERIAL AND STRUCTURE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessional		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments	E	E

J. CHANNEL AND BANK FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☑	☑
Isolated/occasional	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid channel bar(s)	☐	☐	☐
Run(s)	☑	☐	☐	Vegetated mid channel bar(s)	☐	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: NO PERCEPTIBLE

1996 RIVER HABITAT SURVEY (DIMENSIONS AND JUNCTIONS) SHEET 4 of 4

K. CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.15	Banktop width (m)	35	Banktop height (m)	0.15
Embanked height (m)	3	Water width (m)	35	Embanked height (m)	3
		Water depth (m)	2		

If trapezium/ lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☑ *(tick one box)*

L. ACCESS AND MANAGEMENT

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other = ZALUAY BLOCK

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☑

None ☐ Dredging ☐ Mowing ☑ Weed-cutting ☐
Enhancement ☐ Other ? State .....

M. ADJACENT LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

N. CHANNEL CHOKE

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

O. INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? .Nordic Rhododendron bracteatum

P. CHANNEL MODIFICATION

Major impacts: bankfill - dipping - linear - revetge - pollution - drought - abstraction - mill - dam - road - rail -industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - fenced - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations: Estuary upon with flood alleviation & banks

Q. ALDERS

Alder? None ☑ Present ☐ Excessive ☐ Diseased Alder? None ☑ Present ☐ Excessive ☐

BACKGROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7444

Mid-site grid reference of network site if different from designated location:

Grid Reference: 191991 River:

Date 23/5/1996 Time: 2.15 pm. Surveyor name Hatton. Accreditation code. PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☑ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBERS OF RIFFLES, POOLS AND POINT BARS

Riffles BRADFORDS, OF, MANY STICKLEBACKS ONE UNIT LIFE BASICALLY

Pools 0

Ungvegetated point bars 12

Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SPOT-CHECKS

TALLY (use DAY) for - Riffles ||| |||| |||| Pools Usng: ☑ bars ☐ ☐ Veg point bars

HABITAT ATTRIBUTES

Spot check 1 in upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *(BE,BO,CO,CS,L,M,PC,CL,CC,SP,MP,GA,AM,BA,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BW,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NP,EC,SC,PB,WP,SB,VS)*	NO	SC	SC	SC	SC	SC	SC	PB	EC	NO
CHANNEL										
Channel substrate *(BE,BO,CO,CP,SA,SI,CL,PE,AR)*	NV	GP	GP	GP	GP	GP	GP	GP	CL	GP
Substrate shape *(FL,OV,CL,SP,CSI,PO,IR, Others - note)*										
Flow type *(FF,CH,BW,UW,CF,RF,UF,SM,MP,NO)*	NF	UW	UW	RP	RP	BW	UW	UW	RP	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	DA	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NP,NO,BD,MB,VB,SH,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK ... STICK if (sections) (cont...)										
Material *(BE,BO,CO,CS,L,M,PC,CL,CC,SP,MP,GA,AM,BA,OM)*	EA	EA	EA	EA	EA	EA	EA	EA	NV	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BW,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NP,NO,EC,SC,PB,WP,SB,VS)*	NO	NO	SC	NO	SB	PB	NO	SC	PB	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(in 5m, restricted cover a 10m wide transect)*

Land use: choose one from BL, CF, OR, MR, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BRIDGE	S	S	C	S	C	S	C	C	U	C
LEFT BANK FACE *(structure)* BRIDGE	C	S	S	S	C	S	C	C	S	S
RIGHT BANK FACE *(structure)* BRIDGE	C	C	S	C	C	S	C	C	C	S
RIGHT BANK-TOP *(structure within 1m)* BRIDGE	C	C	C	C	C	C	C	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SC	ST	SC	BL	TL	TL	TL	TL

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓		✓	✓	✓	✓		
Emerg broad-leaved herbs			✓	✓		✓				
Emerg reeds/sedges/rushes	✓				✓					
Floating-leaved (rooted)	✓									
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filmy-leaved										
Filamentous algae			E	✓						

RIVER HABITAT SURVEY: SPOT-CHECKS

7444

HABITAT ATTRIBUTES

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)		✓	Suburban/urban development (SU)		

Material/modified	L	R	Artificial/modified	L	R
artificial/hardcore	E	E	Reinforced		
artificial e.g. [illegible]	✓	✓	Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
vegetated			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	6 (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☐	☐	☑
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	6		None	Present	6 (≥ 33%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☐	☒	Ungvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid channel bar(s)	☒	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Ungvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Note predominant flow sequence (*select up to three features*): RIFFLE

RIVER HABITAT SURVEY: DIMENSIONS AND CHALLENGES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop width (m)		Bankop width (m)	3.5	Bankop width (m)	
Bankop height (m)	1.25	Water width (m)	1.5	Bankop height (m)	1.25
Embanked height (m)		Water depth (m)	0.1	*Embanked height (m)*	

If trubbles lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = (1) Outfalls = Fords =
Footbridges = (2) Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ : >33% of site ☐

MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? Stone .....

ADJACENT LAND USE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Pen ☐ Flush ☐

CHANNEL CONTROLS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nonn Rhododendron) (species)

RIVER HABITAT MODIFICATIONS

Major impacts: bankfill - dipping - filter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Spot check 1 was large shallow lake - typically a Victorian boating pond
whole stretch was 2 long riffle - impossible to count individual riffles

RIVER HABITAT MODIFICATIONS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY — BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

BACKGROUND SURVEY DETAILS

Reference network site number: 7445

Mid-site grid reference of network site if different from designated location:

Grid Reference: 229988 River: Uisbourne Brook

Date 23/5/1996 Time: 4.30 p.m. Surveyor name: Ian Thom Accreditation code: P136

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

DOMINANT VALLEY FORM (one only)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SURVEY SUMMARY

Riffles ☐ Unvegetated point bars 7

Pools ☐ Vegetated point bars ☐

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY — SPOT CHECKS

TALLY (use DIY) for - Riffles ✗✗ Pools: Unveg. side bars ✗✗ Veg point bars

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (sections) absent										
Material	EA	EA	EA	GR	GA	GR	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	EC	NO	PB	NO	CC	NO	NO	SC
CHANNEL										
Channel substrate	NV	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape										
Flow type	SM	SM	UW	SM	RP	RP	SM	UP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (sections) absent										
Material	GA	GA	GA	GA	GA	UT	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	PB	NO	CC	NO	PB	NO	NO	EC
BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide transect)										
Land use: choose one from IE, CP, OE, HR, SC, IN, RF, AG, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BANKC	U	C	S	S	S	C	B	C	S	S
LEFT BANK FACE (structure) BANKC	B	C	B	S	C	C	B	S	C	S
RIGHT BANK FACE (structure) BANKC	C	S	S	S	B	C	B	B	S	B
RIGHT BANK-TOP (structure within 1m) BANKC	C	S	C	S	C	C	S	B	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
PLANT SPECIES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens					✓	✓	✓	✓		
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓		✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved	✓		E							
Filamentous algae		✓	✓	✓	✓	✓			✓	✓

SITE NO. 7445

1996 RIVER HABITAT SURVEY — CONTINUED

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)			Open water (OW)		
Tall herb/* rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank only		
Sheep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		✓
			Embanked		
			Set-back embankment		

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed tree roots	☐	☑	☐
Undercut tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☑	☐
Bay(s)	☐	☐	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: RIFFLE, RUN, GLIDE

1996 RIVER HABITAT SURVEY — DIMENSIONS AND INFLUENCES

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.9	Water width (m)	3.2	Banktop height (m)	0.9
Embanked height (m)		Water depth (m)	0.2	*Embanked height (m)*	

If trackline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State: .....

CHANNEL DISTURBANCE

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

WATER QUALITY INDICATORS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bunded - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Appears to be very active river - many sharp undercut eroding cliff-banks. Trash caught in trees - several metres from current edge of the water now. Fast flowing. Point F recorded.

CATCHMENT MANAGEMENT

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 74446

Mid-site grid reference of network site if different from designated location:

Grid Reference: ST 373000 River: BLACKWATER

Date 25/7/1996 Time: 12.15 Surveyor name: N GRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(natural and man-made)*

Riffles 12 Unvegetated point bars

Pools 17 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: THIN SECTION CHECKS

TALLY (use JIII) for - Riffles Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES *(to be assessed across Channel width at 1 m wide transect)*

Spot check 1 m: upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK PHYSICAL *(tick one box per column)*										
Material *(MV,BE,BO,CO,GF,SA,SI,CL,PE,AR)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	PC	NO	NO	NO	NO	RS	RS
Bank feature(s) *(MV,NO,EC,SC,PB,VP,SB,VE)*	SC	NO	NO	NO	SB	NO	NO	SB	NO	NO
CHANNEL										
Channel substrate * *(MV,BE,BO,CO,GF,SA,SI,CL,PE,AR)*	GP	SI	GP	CO	CO	GP	GP	CO	GP	GP
Substrate shape *(FL,CV,EL,SP,CU,FO,BL,Others - note)*	RO	UN	RO	RO	RO	RO	RO	RO	RO	RO
Flow type * *(FF,CH,BW,UW,CF,RP,UP,SM,NP,NO)*	SM	NP	NP	RP	UW	NP	SM	UW	SM	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	RS	RS
Channel feature(s) *(MV,NO,RO,MB,VB,MI,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional zone	✓	✓	✓	✓	✓					
Material *(MV,BE,BO,CO,GS,EA,PE,CL,CC,SP,WP,GA,BR,BB,BW)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	PC	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(MV,NO,EC,SC,PB,VP,SB,VE)*	SB	NO	NO	SB	NO	SB	NO	SB	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	RP	RP	RP	SC	IG	IG	RD	RP
LEFT BANK-TOP *(structure within 1m)* BRUSIC	C	U	S	U	S	S	U	U	U	U
LEFT BANK FACE *(structure)* BRUSIC	S	C	C	S	S	C	C	C	S	U
RIGHT BANK FACE *(structure)* BRUSIC	S	C	S	S	C	C	C	C	B	B
RIGHT BANK-TOP *(structure within 1m)* BRUSIC	S	C	S	S	S	S	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	IG	SC	RP	SC	SC	SC	SC	SC

G. CHANNEL VEGETATION TYPES *(Occupying >5% of channel)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: 50m SWEEP UP

Site No. 74446

A. BANKSIDE LAND USE *(within 50m of top of bank on both sides)*

	L	R		L	R
Broadleaved woodland *(BL)*	✓	✓	Rough pasture *(RP)*	E	E
Coniferous plantation *(CF)*			Improved/semi-improved grass *(IG)*	E	E
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*	✓	
Scrub *(SC)*	✓	✓	Open water *(OW)*		
Tall "rank" vegetation (TH)	✓		Suburban/urban development *(SU)*		

B. BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified	L	R
Vertical	2	E	Resectioned	✓	✓
Undercut			Reinforced - whole bank	✓	✓
Overhanging top			Reinforced - top only		
Steep (>45°)	E	E	Reinforced - toe only		
Gentle			Artificial two-stage		
Complex			Poached		
			Embanked		
			Set-back embankments		

C. TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☒

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

D. INSTREAM FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☒	☐
Cascade(s)	☐	☒	☐	Exposed bedrock	☐	☒	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Backwater(s)	☒	☐	☐	Mature island(s)	☒	☐	☒
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☐	☐	☒
Chute(s)	☐	☐	☒	Vegetated side bar(s)	☒	☐	☐

predominant flow sequence *(select up to three features)*: RF - POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS *(to be assessed at the site on a straight section, preferably perpendicular to flow)*

LEFT BANK		Bankfull width (m)	2.20	RIGHT BANK	
Bankfull height (m)	0.7	Water width (m)	0.75	Bankfull height (m)	1.45
Embanked height (m)		Water depth (m)	0.03	*Embanked height (m)*	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES *(present at site or within 50m upstream or downstream)*

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. EVIDENCE OF RECENT MANAGEMENT *(within 5 years)*

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other ? State .....

D. FEATURES OF SPECIAL INTEREST *(not directly influencing channel)*

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☒
Leafy debris ☒ Fen ☐ Flush ☐

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. BANKSIDE VEGETATION *(within 5m of top of bank on both sides)* *(Record up to 3)*

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mettic Rhododendron bracken

G. OVERALL CHANNEL CHARACTERISTICS *(Assessed over 500m)*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - infill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GRAZING

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron dragonflies/damselflies

Other significant observations: Mostly natural channel, cut deep. GP/CO substr. RF - POOL sequence.

H. ALDERS

Alders? None ☒ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

RIVER HABITAT SURVEY (RHS) FIELD SURVEY FORM

A. MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7452

Mid-site grid reference of network site if different from designated location:

Grid Reference: 930925 SY River: Cherford

Date 29/4/1996 Time: 11:45 Surveyor name: I HALLS Accreditation code: PF36

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (see over for key)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate number present)

Riffles ○ Unvegetated point bars ○
Pools ○ Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: TEN SPOT CHECKS

TALLY (use /// for - Riffles | Pools | Unveg. side bars | Veg point bars

a) PHYSICAL ATTRIBUTES (for the nearest pebble-dominated riffle)

Spot check 1 is: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material *(BE,BO,CO,CB,SA,PE,CL,CC,SI,VP,GA,ML,BA,AR)*	CL	NV	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	NO	NV	SC	NO	GC	NO	NO	NO	NO	NO
CHANNEL (looking downstream)										
Channel substrate *(BE,BO,CO,GP,SA,SI,CL,PE,AR)*	SA	NV	SA	SA	SA	SA	NV	SA	SA	SA
Substrate shape *(FL,OV,EL,ST,CU,PO,IR, Other = ...)*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type *(FF,CH,RW,UW,CF,RT,UP,SM,MP,NO)*	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(NV,BO,RO,MB,VB,MI,TR)*	NO	NO	NV	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material *(BE,BO,CO,GB,SA,PE,CL,CC,SI,VP,GA,ML,BA,AR)*	CL	EA	CA	EA	EA	EA	NV	EA	EA	EA
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EM)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NV,NO,EC,SC,PB,VP,SB,VS)*	SC	SC	SC	SC	NO	NO	NV	NO	NO	NO

b) LAND USE AND SIDE OF VALLEY FLOOR STRUCTURES (within a distance of 10m)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SC	BL	BL	SC	BL	SC	RP	RP	SC
LEFT BANK-TOP *(structure within 1m)* BA/US/C	S	S	C	C	S	C	C	U	U	S
LEFT BANK FACE *(structure)* BA/US/C	B	S	S	B	B	S	S	S	S	S
RIGHT BANK FACE *(structure)* BA/US/C	B	S	S	S	S	S	S	S	S	C
RIGHT BANK-TOP *(structure within 1m)* BA/US/C	S	C	S	S	S	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	WL	SC	BL	SC	SC	SC	SC	SC	SC	SC

c) CHANNEL VEGETATION TYPES (for the nearest pebble-dominated riffle)

NONE / PLANT GENERA - list first 5	✓	✓		✓						✓
Bryophytes/lichens										
Emerg broad-leaved herbs						✓	✓		✓	✓
Emerg reeds/sedges/rushes					✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved									✓	✓
Submerg fine/linear-leaved				✓	✓			✓	✓	✓
Filamentous algae			✓							✓

SITE NO. | RIVER HABITAT SURVEY: 200m SURVEY OF | Page 2

E. LAND USE WITHIN 50m OF BANKTOP (tick all that occur in 50m of river)

	L	R		L	R
Broadleaf/mixed woodland *(BL)*	E	E	Rough pasture *(RP)*	✓	✓
Coniferous plantation *(CP)*			Improved/semi-improved grass *(IG)*		
Orchard *(OR)*			Tilled land *(TL)*		
Moorland/heath *(MH)*			Wetland (eg bog, marsh, fen) *(WL)*		✓
Scrub *(SC)*	E	E	Open water *(OW)*		
Tall herbs' rank vegetation (TH)			Suburban/urban development *(SU)*		

F. BANK MODIFICATIONS (within 50m of banktop)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

G. CONTINUOUS AND SCATTERED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

H. CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☑	☑	☐
Boil(s)	☐	☑	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*:

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

I. CHANNEL DIMENSIONS (to the nearest 0.1m)

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.8m	Banktop width (m)	4.5m	Banktop height (m)	0.5m
Embanked height (m)	—	Water width (m)	4m	*Embanked height (m)*	—
		Water depth (m)	0.2m		

If trampling lower than banktop break in slope, indicate: height (m) = 0.6 width(m) = 4

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

J. ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Bridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

K. EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

L. ALTERATIONS TO CHANNEL

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☑ Carr ☑
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

M. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

N. NOTABLE PLANTS (see over for key)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notes Rhododendron bracken

O. ALL IMPACTS (see over for key)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies TROUT, DEER, LIZARDS, GRASS, PHEASANT

Other significant observations:
EXCELLENT NATURAL SANDY STREAM THROUGH A MIXTURE OF LANDUSES.
DEEP PULLS WITH DEFINITE DEER CROSSING POINTS.

P. ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7453

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 010991 River: STOUR

Date 24/7/1996 Time: 16:30 Surveyor name: N CRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☒ (mostly) asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate total number)*

Riffles / Unvegetated point bars /
Pools / Vegetated point bars

NOTE: *COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB*

TALLY (use 5's) for - Riffles | Pools | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES *(to be assessed across channel within 5 m wide transect)* * = one unit only

Spot check 1 m upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional *(section)*											
Material *(BE,BO,CO,CS,EA,PC,CL,CC,SI,VF,GA,MM,BR,OV)*	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s) *(NE,PO,RS,RI,PC,BM,EX)*	RS	RS	RS	RS	RS	RS	RS	NO	NO	RS	
Bank feature(s) *(NV,PO,EC,SC,FS,VF,SB,VS)*	NO	NO	NO	NO	NO	NO	NO	NO	EC	NO	
CHANNEL TICK if functional *(section)*											
Channel substrate * *(BE,BO,CO,GF,SA,SI,CL,PE,AR)*	SI	GP	GP	SI	SI	GP	GP	GP	GP	SI	
Substrate shape *(FL,CV,IR,SV,CU,PO,IR, Others - use)*	NA	NV	NV	NA	NA	PO	NV	NV	NV	NA	
Flow type * *(FF,CH,BW,UW,CF,SF,UF,SM,RP,NO)*	SM	SM	SM	NO	NO	SM	SM	SM	SM	NO	
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	
Channel feature(s) *(NV,PO,BO,MB,VB,SH,TR)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK TICK if functional *(section)*											
Material *(BE,BO,CO,CS,EA,PC,CL,CC,SI,VF,GA,MM,BR,OV)*	EA		EA	EA	SI	EA	EA	EA		EA	
Bank modification(s) *(NE,NO,RS,RI,PC,BM,EX)*	NO		NO	RS	RS	NO	NO	RS		NO	
Bank feature(s) *(NV,NO,EC,SC,FS,VF,SB,VS)*	SC		NO	NO	NO	NO	NO	NO		NO	

F. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed over a 10m wide transect)*

Land use: choose one from BL, CF, OR, MR, SC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP *(structure within 1m)* B/USIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* B/USIC	S	S	S	-	S	C	S	S	B	S
RIGHT BANK FACE *(structure)* B/USIC	C	C	S	S	S	S	S	S	S	C
RIGHT BANK TOP *(structure within 1m)* B/USIC	C	C	S	U	U	U	U	U	U	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	TH	IG	IG	IG	IG	TH	BL

G. CHANNEL VEGETATION TYPES *(assessed over 20m transect)*

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium Epilobium									
Emerg reeds/sedges/rushes	Sparganium Butomus	✓	✓	E	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	Nuphar		✓		✓					✓	
Free-floating	Lemna	✓	✓	✓	✓		✓	✓		✓	✓
Amphibious											
Submerged broad-leaved	Myriophyllum Potamogeton		✓	✓	E	E	✓	✓	E	✓	E
Submerg fine/linear-leaved	Ranunculus		✓	✓							✓
Filamentous algae			✓	✓	E	✓	E	E	✓	✓	✓	E

7453 | 1996 RIVER HABITAT SURVEY: SWFD 0/2

AND USE WITHIN 50m OF CENTRE

	L	R		L	R
Unlimited woodland (BL)		E	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Gravel			Open water (OW)		
Recent vegetation (TH)	✓	✓	Suburban/urban development (SU)		

...ANNEL MODIFICATIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Recent	✓	✓	Resectioned	E	E
Top			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Cattle poach			Reinforced - toe only		
Undercut			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

...NGSHORE AND ASSOCIATED FEATURES

BANKS *(tick one box per bank)*

	Left	Right
None	☐	☐
Island/sediment	☒	☐
Shady spaced, single	☐	☐
Occasional clumps	☐	☒
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥33%)
Shading of channel	☐	☒	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☒	☐	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☒	☐	☐

...ND ASSOCIATED FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
...id(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
...le(s)	☒	☐	☐	Unvegetated mid-channel bar(s)	☒	☐	☐
...(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
...nk(s)	☐	☐	☒	Mature island(s)	☒	☐	☐
Other(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
...(s)	☒	☐	☐	Vegetated side bar(s)	☒	☐	☐

...redominant flow sequence *(select up to three features)*: GLIDE / SLACK

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.7	Banktop width (m)	28.5	Banktop height (m)	1.7
Embanked height (m)	/	Water width (m)	22.0	*Embanked height (m)*	/
		Water depth (m)	NK		

If trapezium: lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☒ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☒ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges / Roadbridges = Other =

Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

C. EVIDENCE OF RECENT MANAGEMENT

None ☒ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D. FEATURES OF GEOMORPHOLOGICAL INTEREST

None ☒

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

E. CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

F. NOTABLE RIVERSIDE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other (Nettle, Rhododendron bushes)

G. OVERALL COMMENTS

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - abstraction - mill - dam - canal - mill dam/weir - farming - mining - quarrying - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies - damselflies

Other significant observations: Lowland Simons channel. – extensive algae! Steep banks.

H. BANKSIDE TREES

Alders? None ☐ Present ☒ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7454

Mid-site grid reference of network site if different from designated location:

Grid Reference:: SZ 161961 River: AVON.

Date 24.7.1996 Time 14.00 Surveyor named GREEVE Accreditation code. PF12.

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box each)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND CONTINUES (count each feature)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: RUN SPOT CHECKS

TALLY (use 5|||) for - Riffles | Pools | Unveg. side bars | Veg point bars

F PHYSICAL ATTRIBUTES (to be assessed across channel (within 1 m wide transect) at spot check)

Spot check 1 at upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
PLANT DESCRIPTORS (Count)										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RS	PC	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	SI	NV	GP	GP	SI	GP
Substrate shape	PO	PO	NV	NV	NA	NA	NV	PO	NA	PO
Flow type *	SM	SM	SM	SM	SM	NP	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	RS	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional feature							Weir			
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	PC	NO	NO	PC	PC	NO	NO	PC	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, MH, IC, TH, IP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SU	BL	BL	BL	TH	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/UC	C	S	S	C	C	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/UC	C	C	U	S	U	S	B	S	S	S
RIGHT BANK FACE *(structure)* BA/UC	S	S	B	S	S	S	S	U	S	S
RIGHT BANK-TOP *(structure within 1m)* BA/UC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	RD	PD	RD	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION (25m)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	Sparganium		✓							✓
Emerg reed/sedge/rush	Phragmites	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)	Nuphar		✓			✓					✓
Free-floating	Lemna		✓			✓	✓	✓			✓
Amphibious	Myosotis / Apium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved	Nuphar / Elodea		✓	✓	✓	✓	✓	✓	E	E	✓
Submerg fine/dissec-leaved	Potamogeton / Ranunculus	E	E	E	E	✓	✓	E	E	✓	E
Filamentous algae										✓	✓

SITE NO. 7454 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

H LAND USE WITHIN 50m OF MID-POINT (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓		Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	

I BANK CONSTRUCTION AND MODIFICATIONS (tick all that apply)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Resectioned	✓	
Vertical + toe	✓		Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite		E	Artificial two-stage		
			Pooled	✓	E
			Embanked		
			Set-back embankments		

J TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K WATERCOURSE AND BANKSIDE FEATURES

	None	Present	E (≥33%)		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwood	☐	☑	☐
Cascade(s)	☐	☐	☐	Exposed bedrock (CLAY)	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Bank(s)	☐	☑	☐	Mature island(s)	☐	☑	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (*select up to three features*): GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	26.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	23.25	Banktop height (m)	1.05
Embanked height (m)		Water depth (m)	NK	*Embanked height (m)*	

If trashline lower than banktop mark in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

M ARTIFICIAL FEATURES (within channel and on banks)

Name ☐ Number of Culverts = Fords = Weirs = Outfalls = Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

N EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

O FEATURES OF LOCAL INTEREST

None ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☐ Leafy debris ☐ Artificial open water ☐ Natural open water ☐ Water meadow (RHS) ☑ Fen ☐ Bog ☐ Carr ☑ Some on LHB Marsh ☐ Flush ☐ Other (state) .....

P CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q NOTABLE AND INTRODUCED PLANT SPECIES

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nordic Rhododendron hirsutum

R OVERALL RIVER CORRIDOR

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - effluent/etc - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin (Sparse / Moderate / Abundant)

Other significant observations: Natural channel, with some old water meadow on RHS. Excellent for channel/Riparian vegetation.

S NOTABLE TREES

Alders? None ☐ Present ☑ Excessive ☐ Diseased Alders? None ☐ Present ☐ Excessive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7455

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 270928 River: DANES STREAM.

Date 23/7/1996 Time: 16:30 Surveyor name N. CREWS Accreditation code PF12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☒ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☒ right bank ☐ channel ☒ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (and tick total number)

Riffles 9 Unvegetated point bars
Pools 5 Vegetated point bars

... COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
... DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Page 2 of 4

TALLY (use flift) for - Riffles IIIIII Pools IIII Unveg. side bars Veg point bars

HYDROMORPHOLOGICAL ATTRIBUTES

Spot check 1 is upstream ☒ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EX	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	RS	NO
Bank feature(s)	NO	NO	SB	SB	FK	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate	SI	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NA	PO	IR	PO	PO	PO	PO	PO	PO	IR
Flow type	NP	NP	UP	SM	UW	PO	UW	NP	NP	NO
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	RS	NO	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	SS	NO	NO	NO	NO	NO

E. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, WH, IC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	SC	SU	SU	BL	PL	IG	SC	BL
LEFT BANK-TOP *(structure within 1m)*	U	S	C	S	U	C	C	S	S	C
LEFT BANK FACE *(structure)*	S	S	C	C	C	C	C	C	U	C
RIGHT BANK FACE *(structure)*	C	S	U	U	U	U	S	S	U	S
RIGHT BANK-TOP *(structure within 1m)*	U	S	U	U	U	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	SU	SU	SU	SU	SU	SU	SU	SU

F. CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens			✓		✓		✓		✓	✓
Emerg broad-leaved herbs	Sp. Oblong			✓	✓		✓			✓
Emerg reeds/sedges/rushes	Sparg.									✓
Floating-leaved (rooted)	Cr. Pelic						✓	✓	✓	✓
Free-floating										✓
Amphibious										
Submerged broad-leaved	Sp.									✓
Submerg fine/linear-leaved										
Filamentous algae		✓	E	✓	E	✓		E	E	✓ E

R3 EB

Site 7455 RIVER HABITAT SURVEY 2000 (SWT) Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaved woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub	✓	✓	Open water (OW)		
Tall herb/weed vegetation (TH)			Suburban/urban development (SU)	✓	E

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E		Reinforced	✓	E
Vertical/toe			Reinforced - whole bank	✓	✓
Sloping (<45°)	✓		Reinforced - top only		
Gentle			Reinforced - toe only		
Other			Artificial two-stage		✓
			Poached		
			Embanked		
			Set-back embankments		

CHANNEL AND ASSOCIATED FEATURES

LEVEES *(tick one box per bank)*

	Left	Right
None	☐	☐
Natural/unmodified	☐	☐
Evenly spaced, single	☐	☒
Occasional changes	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☒	☐	☐	Marginal deadwater	☐	☐	☒
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☐	☒	☐
Pool(s)	☐	☒	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Glide(s)	☒	☐	☐	Mature islands(s)	☒	☐	☐
Chute(s)	☐	☒	☐	Unvegetated side bar(s)	☐	☐	☒
Backwater(s)	☐	☒	☐	Vegetated side bar(s)	☐	☒	☐

Predominant flow sequence (*select up to three features*): SLACK + RF/POOL

Site 7455 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop width (m)	5.7			
Banktop height (m)	1.2	Water width (m)	2.18	Banktop height (m) 1.35
Embanked height (m)	/	Water depth (m)	0.02	Embanked height (m) /

If trapezium lower than banktop break in slope, indicate: height (m) = 0.8 width(m) = 2.9

Bed controlled at site by: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIAL STRUCTURES

None ☐ Number of: Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = 1 Roadbridges = 2 Other = PIPE
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐

RIVERSIDE LAND MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other? State Bank mowing (Holiday homes)

OCCURRENCE OF ALGAL GROWTHS

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☒ Fen ☐ Fleet ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

DOMINANCE OF INVASIVE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mottle Rhododendron bushes

OVERALL HABITAT IMPACTS

Major impacts: bankfill - dipping (weir) - sewage - pollution - drought - abstraction - mill - dam - road - rail - dockery - housing - mining - quarrying - (overdeepening) - afforestation - fisheries management - shading - other? = WOODLAND (LHS)

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = HOLIDAY HOMES (RHS)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron (dragonfly) damselflies
Trout (Brown) + Goldfish !!

Other significant observations: GP channel, some RF/Pool but mostly slack

BANKSIDE VEGETATION

Alders? None ☐ Present ☐ Extensive ☐ Diseased Alders? None ☒ Present ☐ Extensive ☐

1994 RIVER HABITAT SURVEY (with 1995 mods of plant genera and channel dimensions)

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 7456

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 378990 River: UN-NAMED TRIB ?

Date 5/7/1996 Time 11.00 Surveyor name N GREEVE Accreditation code PF 12

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☒ (AT SIDES) entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

- ☒ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND OTHER FEATURES *(indicate total number)*

Riffles 9 | Unvegetated point bars
Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1994 RIVER HABITAT SURVEY (with 1995 mods of plant genera and channel dimensions) SCORECHECK

TALLY (use pin) for - Riffles IIIII | Pools | Unveg. side bars | Veg point bars

A PHYSICAL ATTRIBUTES

Spot check 1 in = riffle ☒ pool ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s)	NO	NO	NO	NO	RS	NO	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	SP	SP	SP	SP	SP	SI	SI	SI	SI	SI
Substrate shape	RO	RO	RO	RO	NV	NA	NA	NA	NA	NA
Flow type	SM	RO	UW	SM	UP	UP	UP	UP	UP	UP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s)	RS	NO	NO	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	SB	SB	NO	NO	NO	NO	NO	NO	NO
BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	TH
LEFT BANK-TOP (structure within 1m)	S	U	U	C	S	U	U	U	U	S
LEFT BANK FACE (structure)	C	S	S	C	S	S	S	S	S	S
RIGHT BANK FACE (structure)	C	C	C	C	U	C	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	C	S	C	S	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	TL	TL	TL	IG	TL
PLANT SPECIES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓						
Emerg broad-leaved herbs (Persic, Epilob)					✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes (Phragm)							✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious (Myriophyll, Ranunc)						✓	✓	✓	✓	✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae						✓	✓	✓	✓	✓

SITE NO. 7456

A BANK VEGETATION

	L	R		L	R
Broadleaved/mixed woodland (BL)		E	Rough grasses (RG)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Meadland/heath (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW) RES. LAKE	E	E
Tall herbs/ rank vegetation (TH)	✓		Suburban/urban development (SD)		

B BANK STRUCTURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	1.2 E	✓	Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)		E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pondrail		
			Embanked		
			Set back embankment		

C TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	✓	✓ (corr Top)
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	5 (≥ 1/3 %)
Shading of channel	☐	☐	☒
Overhanging boughs	☐	☐	☒
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☐	☒
Fallen trees	☐	☒	☐
Coarse woody debris	☐	☒	☐

D CHANNEL FEATURES

	None	Present	5 (≥ 1/3 %)		None	Present	5 (≥ 1/3 %)
Waterfall(s)	☒	☐	☐	Bedrock/Landrock	☐	☐	☐
Cascade(s)	☒	☐	☐	Exposed bedrock	☒	☐	☐
Rapid(s)	☒	☐	☐	Exposed boulders	☒	☐	☐
Riffle(s)	☐	☐	☒	Unvegetated mid-channel bar(s)	☒	☐	☐
Run(s)	☒	☐	☐	Vegetated mid-channel bar(s)	☒	☐	☐
Pool(s)	☐	☐	☒	(Marginal islands)	☐	☐	☐
Glide(s)	☐	☐	☒	Unvegetated side bar(s)	☒	☐	☐
Pond(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

(indicate predominant flow sequence (select up to three features): RIFFLE, GLIDE (STAGNANT)

1994 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES SCORECHECK

A CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Bankop height (m)	Bankop width (m) 1.75		Bankop height (m)
Embanked height (m)	Water width (m) 1.0		Embanked height (m)
	Water depth (m) 0.001		

If trapezium lower than bankop break in slope, indicate: height (m) = 0.15 width (m) = 1.3

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☒ bedrock ☐

Location of measurement is: riffle ☒ run or glide ☐ other ☐ *(tick one box)*

B INFLUENCES

None ☐ | Number of Culverts = Footbridges = 1 | Weirs = Landbridges = | Outfalls = | Fords =
Is water impounded by weir/dam? No ☒ Yes, <33% of site ☐ >33% of site ☐ | Other =

C MANAGEMENT

None ☐ | Dredging ☐ | Mowing ☒ | Weed-cutting ☐
Enhancement ☐ >Other? State FISHERY

D LAND USE

None ☐
Waterfalls > 5m high ☐ | Artificial open water ☒ | Bog ☐ | Other (state) .....
Braided/side channels ☐ | Natural open water ☐ | Carr ☐
Debris dams ☐ | Water meadow ☐ | Marsh ☐
Leafy debris ☐ | Fen ☐ | Fresh ☐

E MACROPHYTES

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ >Other? Mainly Rhododendron (bankside)

F CATCHMENT DESCRIPTION

Major impacts: landfill - dipping - litter - sewage - pollution - drought - abstraction - infill - dam - weed - soil husbandry - hedging - mining - quarrying - afforestation - clear management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? - FISHERY (Trout)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (Ringed Plover) (Sand Mar)

Other significant observations: RS channel, lower ½ raw. - Sycamore - Calophyllum glab
a Trout fishery (Lake). - Alder - Ash - Ivy
- Elder - Cow parsley

G ALIEN SPECIES

Aliens? None ☒ Present ☐ Extensive ☐ Dominant Aliens? None ☒ Present ☐ Extensive ☐

(NB) Survey reach = 2 halves:
- Top half : small channel, RF - GLIDE, BL woodland
- Bottom half : Artificial lake, dog n fishery (Trout)

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7457

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 449909 River: ROOGE BROOK

Date 9/5/1996 Time: 1310 Surveyor name [illegible] Accreditation code PF11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee ☐ coocave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBERS OF RIFFLES, POOLS AND POINT BARS *(indicate if estimated)*

Riffles 15 Unvegetated point bars 4

Pools 16 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY SPOT CHECK

TALLY (use flat) for - Riffles [illegible] Pools [illegible] Uveg. [illegible] Veg point bars [illegible]

PHYSICAL ATTRIBUTES

Spot check 1 is: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK *(looking downstream)*										
Material	EA	EP	EA	EA	EA	WC	SP	BL	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RE	RI	RI	NO	RI
Bank feature(s)	SB	NO	NO	NO	SB	NO	NO	NO	PB	NO
CHANNEL										
Channel substrate	CL	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	SM	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	SM	NP	RP	SM	NP	NP	NP	NO	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK *TICK if functional fence*										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SB	NO	SB	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE *(LUS: Recorded over a 10m wide transect)*

Land use: choose one from BL, CP, OR, SOL, RC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RL	RL	BL	TH	BL	SU	SU	-	IG	IG
LEFT BANK-TOP *(structure within 1m)* MMMC	S	S	S	B	S	S	C	U	U	U
LEFT BANK FACE *(structure)* MMMC	U	U	S	B	U	S	B	B	B	B
RIGHT BANK FACE *(structure)* MMMC	B	U	B	U	B	U	S	S	B	C
RIGHT BANK-TOP *(structure within 1m)* MMMC	U	C	S	C	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	RL	TH	BL	BL	BL	SU	SU	RL	BL

PLANT SPECIES LIST *(Vascular plants)*

NONE / PLANT GENERA - list first 5										
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY DIMENSIONS AND ENGINEERING SPOT CHECK

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.20	Banktop width (m)		Banktop height (m)	0.65
Embanked height (m)		Water width (m)	4.50	*Embanked height (m)*	
		Water depth (m)	0.15		

If trapezium: lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? Stone Formerly Brake RT at 1.11 f garden.

CHANNEL DEPOSITS

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

ROAD AND RAIL CROSSINGS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OVERALL RIVER MODIFICATION

Major impacts: bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - dockside - marina - fishing - quarrying - overdeepening - channelisation - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small stream dying at mill log pool as - shin riffles extensive exposure shingle + big bolt boulder probably very flashy.

ALDER

Alder? None ☑ Present ☐ Extensive ☐ Diseased Alder? None ☑ Present ☐ Extensive ☐

E NO. 7457

RIVER HABITAT SURVEY SPOT CHECK

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Coniferous/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SU)	E	

BANK PROFILE AND MATERIAL

Natural/unmodified	L	R	Artificial/modified	L	R
Undercut	✓	☐	Resectioned		
Vertical + toe			Reinforced - whole bank	E	
Slope (>45°)	E	☐	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Terraced			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

RECENT CHANNEL MANAGEMENT AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (>33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☑
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☐	☐	☑
Pool(s)	☐	☐	☑	Vegetated side bar(s)	☑	☐	☐

Dominant flow sequence *(select up to three features):* Glide Pool

RIVER HABITAT SURVEY: SURVEY DETAILS AND BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 7459.

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 098810. River: CAMEL

Date 31.5.1996 Time: 1445 Surveyor name P HENVILLE Accreditation code PH1

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)* 29 11th Film
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND OTHER FEATURES (enter data in boxes)

Riffles 14 | Unvegetated point bars 1
Pools 2 | Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use 2III) for - Riffles IIII IIII IIII IIII | Pools II | Unveg. side bars | Veg point bars |

A PHYSICAL ATTRIBUTES (to be recorded across the channel at each spot check)

Spot check 1 is: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *	EA	EA	EA	GS	CA	CC	EA	CA	EA	EA
Bank modification(s)	NO	NO	NO	NO	PC	RS	NO	PC	UU	NO
Bank feature(s)	NO	PB	NO	NO	NO	SB	NO	NO	VB	EC
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	SP	CO	CO
Substrate shape	IR	IR	IR	FL	IR	IR	IR	R	EN	FL
Flow type *	UW	UP	SM	SM	SM	CP	UW	SM	UW	SM
Channel modification(s)	NO	NO	NO	NO	NO	RS/RE	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *	EA	EA	EA	EA	EA	CC	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RE	NO	PC	NO	PC
Bank feature(s)	NO	NO	NO	NO	SE	NO	NO	NO	NO	NO

F BANKTOP AND ISLAND VEGETATION STRUCTURE (to be assessed over a 10m length)

Land use: choose one from: BL, CP, OR, UH, IC, TH, RP, IG, IL, WL, OW, SU Ind

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	SW	BL	IG	IG	IG
LEFT BANK-TOP (*structure within 1m*) BA/S/C	S	S	S	S	S	B	S	S	S	S
LEFT BANK FACE (*structure*) BA/S/C	S	S	S	S	S	B	S	S	S	B
RIGHT BANK FACE (*structure*) BA/S/C	S	S	S	S	S	B	S	S	S	S
RIGHT BANK-TOP (*structure within 1m*) BA/S/C	S	S	S	S	S	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SW	TH	IG	IG	IG

G CANOPY, VEGETATION OVER CHANNEL

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 7459

H LAND USE WITHIN 50m OF CENTRE OF EACH BANK (tick all that apply)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* marsh vegetation (TH)			Suburban/urban development (SU)	S	

I BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Enhanced		
			Set-back embankment		

J CHANNEL AND BANKSIDE TREES AND ASSOCIATED FEATURES

TREES (*tick one box per bank*)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☑	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (*tick one box per feature*)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

K CHANNEL AND BANKSIDE FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascades(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Run Glide

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS (to be measured at a representative section)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.20	Bankfull width (m)		Banktop height (m)	1.0
Embanked height (m)		Water width (m)	7.0	*Embanked height (m)*	
		Water depth (m)	0.2		

If trenchline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

M ACCESS (within 100m)

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

N RECENT MANAGEMENT ACTIVITY (within 100m)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

O ADJACENT LAND USE (within 100m)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

P CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

Q INVASIVE PLANTS (within 100m)

None ☑ Giant Hogweed ☐ Rhododendron Bushes ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

R OTHER FACTORS

Major human impacts - landfill - tipping - mine - sewage - pollution - drought - abstraction - mill - dam - weed - mill - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small stream through pasture; pasture OLS with flat river channel in bottom section (FC)

S OVERALL ASSESSMENT

Aliens? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1. BACKGROUND MAP & SITE INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

2. SURVEY DETAILS

Reference network site number: 7461

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 224813 River: PENPONT

Date 3/5/1996 Time: 10:45 Surveyor name [illegible] Accreditation code [illegible]

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

3. PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

4. NUMBER OF RIFFLES, POOLS AND RUN TYPES

Riffles 6 — Unvegetated point bars

Pools — Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6AB

5. HABITAT SURVEY (CHECKLIST)

TALLY (use pot) for - Riffles (1 to) | Pools | Unveg. side bars | Veg point bars

6. RIPARIAN VEGETATION

Spot check 1 m upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	BO	BL	BR	EA	BE	BR	BO	EA	CA
Bank modification(s)	NO	NO	RS	RS	NO	RS	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	BO	CO	SA	CO	CO	CO	BE	BE	CO
Substrate shape	IR	CU	FL			FL	FL	FL	FL	FL
Flow type	RP	BU	RP	RP	NU	NU	RP	NU	NU	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	1/NO	CO	EO	NO	NO	NO	NO	EO	NO	NO
RIGHT BANK										
Material	BO	EO	BO	BR	SA	BR	EA	BP	NO	SA
Bank modification(s)	NO	NO	NO	RS	NO	RS	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

7. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from: BL, CP, OR, HRT, SC, IN, RP, RC, FL, WL, OPW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	SH	IG	IG	SH	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	C	S	S	H	S	RE	C	H	S	S
LEFT BANK FACE (structure)	S	H	H	H	C	H	H	S	S	S
RIGHT BANK FACE (structure)	S	H	S	S	S	S	S	S	S	H
RIGHT BANK-TOP (structure within 1m)	H	C	H	S	H	S	S	S	B	H
LAND USE WITHIN 5m OF BANK TOP (R)	IG	RP	RP	IG	SH	SH	SH	SH	IG	IG

8. PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		E	✓	✓	✓		✓	✓	✓	✓
Emerg broad-leaved herbs	✓		✓	✓	✓				✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓			✓	✓			✓		✓

SITE NO. 7461

9. LAND USE IN THE SURVEY CORRIDOR

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	✓
Conifer plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Gardens/ managed vegetation (TH)			Suburban/urban development (SU)	E	E

10. BANK CHARACTERISTICS

	L	R		L	R
Natural/unmodified	E	E	Artificial/modified		
Vertical/undercut			Reinforced		
Slope < 30°	✓	✓	Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Revetted		
			Embanked		
			Set back embankments		

11. TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)	None	Present	% (±10%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Crown/woody debris	☐	☐	☐

	None	Present	%		None	Present	% (±10%)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☐	☑	Exposed bedrock	☐	☑	☐
Rapid(s)	☐	☑	☐	Exposed boulders	☐	☐	☑
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Marginal bar(s)	☑	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Cascade Run Cascade.

---

12. CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)		RIGHT BANK	
Bankfull height (m)	1.60	Water width (m)	6.20	Bankfull height (m)	1.60
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trashline lower than bankfull bank in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☑ bedrock ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

13. ADDITIONAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = 1 Pools =
Footbridges = Bridges = 2 Other =

Is water impounded by weir(s)? No ☑ Yes, <25% of site ☐ >25% of site ☐

14. EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State

15. AQUATIC VEGETATION

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐
Bridges/side channels	☐	Natural open water	☐
Debris dams	☐	Water meadow	☐
Leafy debris	☐	Fen	☐

Bog	☐ Other (state)
Carr	☐
Marsh	☐
Flush	☐

16. CHOKED CHANNEL

Is 25% or more of the channel choked with vegetation? NO ☑ YES ☐

17. ALIEN PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? (Inside Rhododendron bushes)

18. OTHER FEATURES

Major impacts: livestock - dredging - flow - sewage - pollution - drought - channel work - road - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfliesOther significant observations: steep cliffs - [illegible] - [illegible] - [illegible]

A BACKGROUND/BASIC INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B SURVEY DETAILS

Reference network site number: 7467

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 843 830 River: TEIGN

Date: 7/5/1996 Time: 1415 Surveyor name: P Heritage Accreditation code:

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state:

Bed of river visible? No ○ partially ○ entirely ○ (tick one box)

LFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ○ channel ○ (tick as appropriate)

C VALLEY FORM

○ shallow vee
○ deep vee
○ gorge
○ concave/bowl (If U-shaped glacial valley - add "U")
✓ symmetrical floodplain
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | LFE - VALLEY FORM NOTES:

D CHANNEL DIMENSIONS

Riffles 4 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
N DAWSON, LFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

E SURVEY DETAILS

TALLY (use /// for 4 tallies) for 1 Riffles (1) Pools Using side bars Vegetated point bars

Spot check 1 in appropriate ✓ formations ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	CC	EA	EA	CA	EA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BC	BC	BE	CO	GR	CO	BO	BG	BC	BE
Substrate shape			IR	IR	IR	CN	CN	NI	IR	IR
Flow type	SM	SM	NU	BR	NU	RP	SM	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE AND LAND COVER										
Land use: choose one from: BL, CP, OA, OH, RC, TH, UR, IG, IL, HE, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	TH	BC	TH	BL	RL	TH	SC	R-	RC
LEFT BANK TOP (structure within 1m)	C	S	S	C	S	C	S	C	C	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	C	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	C	S	C	C	G
RIGHT BANK TOP (structure within 1m)	S	W	S	C	W	C	W	W	S	W
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	RC	SC	IG	IG	IG	IG	IG	IG
MACROPHYTES										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens							✓			✓
Emerg broad-leaved herbs	✓									✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	E	E	E	E	✓	E	✓	F	N

F SURVEY DETAILS

SITE NO. 7467

	L	R		L	R
Broadleaved/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* and vegetation (TH)	✓		Suburban/urban development (SU)		✓

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/near-vert	✓	✓	Reinforced		
Vertical + bee			Reinforced - bank only		
Steep (30-60°)	✓	E	Reinforced - toe only		
Gentle			Artificial toe-stage		
Composite			Poached		
			Embanked		
			Set back embankments		

TISSUE (tick one box per bank)

	Left	Right
None	○	○
Leaf/soil/mud	○	○
Exposed upper subs	○	○
Channel change	○	○
Bank undercut	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/3 S)
Shading of channel	○	○	✓
Overhanging boughs	○	✓	○
Exposed boulder roots	○	○	○
Undercut low roots	○	○	✓
Fallen trees	○	✓	○
Current weed cover	○	○	○

	Mark	Present	E (≥ 1/3 S)
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	○	✓	○
Run(s)	○	○	✓
Bank(s)	○	○	○
Glide(s)	○	○	✓
Pool(s)	✓	○	○

	None	Present	E (≥ 1/3 S)
Marginal deadwater	○	○	✓
Exposed bedrock	○	✓	○
Exposed boulders	○	✓	○
Unvegetated mid-channel bar(s)	✓	○	○
Vegetated mid-channel bar(s)	✓	○	○
Mature island(s)	○	○	○
Unvegetated side bar(s)	○	○	○
Vegetated side bar(s)	○	○	○

Indicate predominant flow sequence (select up to three features): Riff Run Glide

G CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankface height (m)	1.30	Water width (m)	29-0	Bankface height (m)	3.0
Embanked height (m)		Water depth (m)	2.50	Embanked height (m)	
			0.20		

If trafficker lower than bankface break in slope, indicate ' height (m) = width(m) =

Bed exposed at site is: unconsolidated (mobile) ○ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ○ other ○ (tick one box)

H CHANNEL MODIFICATIONS

None ✓ Number of Culverts = Weirs = Outfalls = Pools =
Footbridges = Bridges/fords = Other =

Is water impounded by weirs/dams? No ○ Yes, <33% of site ○ >33% of site ○

I CHANNEL MANAGEMENT

None ✓ Dredging ○ Mowing ✓ Weed cutting ○
Enhancement ○ Other ? Date:

J CHANNEL FEATURES

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state):
Bridges/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Fleet ○

K MARGINAL AND AQUATIC VEGETATION

Is 33% or more of the channel choked with vegetation? NO ○ YES ○

None ○ Short Margined ○ Emergent Reduce ✓ Aquatics Reduced ○ Other? Mostly Chara/duckweed/water lily

L RIVER USE

Major human influences: bridges - dipping - litter - moorings - pipelines - dredging - channelisation - mill - dam - weir - sand - industry - boating - rubbish - quarrying - overdeepening - afforestation - fisheries management - tilling - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? - Golf Course -

Animals: deer - otter - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large weir with blank bed - very slow fast flow - left Golf Course in right for last 3 spot. what effect by mow - I spoke Rod as professionally could with some rubbish, very well managed Golf course down

M ALGAL GROWTHS

Algae? None ○ Present ○ Extensive ✓ Diatomic Algae? None ○ Present ○ Extensive ○

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality: Class

Flow category (1-10)
Planform category
Navigation ?

Reference network site number: 7468

Mid-dot grid reference of network site if different from designated location:

Grid Reference: SX933850 River: KENN

Date 20/5/1996 Time: 1115 Surveyor name: [illegible] Accreditation code: [illegible]

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ○ Yes ✓ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

shallow vee ○ concave/bowl (If U-shaped glacial valley - add "U")

deep vee ○ symmetrical floodplain

gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○

IFE - VALLEY FORM NOTES:

Riffles 11 Unvegetated point bars 2

Pools 2 Vegetated point bars 1

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Change number of Photograph from 7469 – 7468
2 photo: small stream IC with side EC, PO

TALLY (no. per 50) for - Riffles		Pools: 1	Uncong. side bars: 11	Veg. point bars: 1

Spot check 1 in: optimum ✓ / suboptimum ○	1	2	3	4	5	6	7	8	9	10
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(+)	RC	RS	RC	RC	NO	NO	NO	NO	NO	NO
Bank feature(+)	SB	NO	NO	NO	NO	SC	NO	EC	PB	NO
Channel substrate *	GP	SC	CO	GP	GR	SA	GR	ST	GP	GP
Substrate shape	IR	NR	CU	IR	IR	NA	ER	NA	IR	IR
Flow type *	RP	SM	SS	SM	SS	RP	RP	NP	SW	SM
Channel modification(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(+)	NB	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material for	SA	EA	EA	EA	EA	EA	EA	EA	SA	EA
Bank modification(+)	RC	RS	RC	RC	NO	RC	NO	NO	NO	NO
Bank feature(+)	NO	NO	NO	NO	NO	RC	EC	NO	NO	SC

Land use: choose one from: IE, CP, OA, UR, SC, TR, GP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MOD/C	U	U	U	U	U	U	U	U	EU	U
LEFT BANK FACE (structure) MOD/C	U	U	U	U	S	B	S	S	S	S
RIGHT BANK FACE (structure) MOD/C	U	U	U	U	U	U	?	U	B	S
RIGHT BANK-TOP (structure within 1m) MOD/C	U	U	U	U	U	U	U	U	U	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	TH

MOSS / PLANT GENERA - list first 5										
Bryophytes/lichens										✓
Emerg broad-leaved herbs			✓							
Emerg reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓		✓
Floating leaved (rooted)										
Free-floating										
Amphibious			✓		✓		✓			✓
Submerged broad-leaved										
Submerg fine/filamentous				✓		✓	✓			✓
Filamentous algae										

Site no. 7468

	L	R
Boulder/cobble overhang (BL)		✓
Large glandular (CF)		
ood (DE)		
Leaf/branch (LOD)		
Scrub (SC)		
ank/L mat. vegetation (TR)	✓	✓

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	E
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		

	L	R
Vertical/undercut	E	E
Composite		

	L	R
Artificial/modified		
Reinforced	✓	✓
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial wave-shaped		
Poached	E	E
Enhanced		
Set-back embankment		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	✓	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed herbicide zone	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Crown woody debris	✓	○	○

	None	Present	E
Waterfall(+)	✓	○	○
Cascade(+)	✓	○	○
Rapid(+)	✓	○	○
Riffle(+)	○	○	✓
Run(+)	○	○	✓
Pool(+)	○	✓	○
Mid(+)	○	✓	○
Wall(+)	○	✓	○

	None	Present	E (≥ 33%)
Marginal deadwood	○	✓	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid channel bar(+)	✓	○	○
Vegetated mid channel bar(+)	○	✓	○
Mature island(+)	✓	○	○
Unvegetated side bar(+)	✓	○	○
Vegetated side bar(+)	✓	○	○

Indicate predominant flow sequence (select up to three features): Riffle, run, glide

LEFT BANK		Bankop width (m)	2·70	RIGHT BANK	
Bankop height (m)	1·0	Water width (m)	2·20	Bankop height (m)	0·90
Embanked height (m)		Water depth (m)	0·15	Embanked height (m)	

If trashline lower than bankop level in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) Clear/none ○

Location of measurement is: riffle ✓ run or glide ○ other ○ (tick one box)

None ○ Number of: Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weirs/bars? No ✓ Yes, <33% of site ○ >33% of site ○

None ○ Dredging ○ Mowing ○ Weed-cutting ○ Enhancement ○ Other? (specify)

None ○

Waterfalls > 5m high	○	Artificial open water	○	Bog	○
Bridges/side channels	○	Natural open water	○	Carr	○
Debris dams	○	Water meadow	○	Marsh	○
Leafy debris	○	Fen	○	Fleets	○

Other (state)

Is 33% or more of the channel choked with vegetation? NO ○ YES ○

None ○ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mentha Rhododendron bracteatum

Major impacts: landfill - dipping - flood - drainage - pollution - drought - abstraction - mill - weir - canal - mill dockway - bunding - subsidence - quarrying - overdeepening - afforestation - fisheries management - dilution - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Fish: salmon parr, stickleback, eel, trout. Bed modified by cattle, channel recovering. Very many leaves in channel and EC, PO, riffles. Gps reading at bottom of site channel recovering towards RL with Rapp Rapp. Further gps reading in middle of site.

Alders? None ○ Present ✓ Extensive ○ Diamond Alders? None ○ Present ○ Extensive ○

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEYED DATA

Reference network site number: 7469

Mid-site grid reference of network site if different from designated location: SY 077845 MOVED OUT OF TIDAL AREA.

Grid Reference: SY 075835 River: OTTER.

Date: 30/5/1996 Time: 1400 Surveyor name: P HENRYS Accreditation code: PFH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☑ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF POOLS AND TYPES OF RIFFLE

Riffles 3 | Unvegetated point bars 0
Pools 0 | Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SPOT CHECK

TALLY (use filled bar - Riffles 11 | Pools | Unveg. side bars | Veg. point bars

SPOT CHECK ATTRIBUTES

Spot check 1 is upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK FACE										
Material	CA	EA	CA	GA	EA	BE	BC	EA	GR	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	VS	NO	NO	NO	VS	NS	NO
CHANNEL										
Channel substrate	SS	GP	GP	GP	NV	GP	GP	GP	NV	GP
Substrate shape	NA	IR	IR	IR	NA	IR	IR	IR	NA	IR
Flow type	SM	SM	RF	RP	RP	LW	LW	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK FACE										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EA	NO	NO	NO	NO	NO	NO	NO

BANKTOP AND LAND USE/VEGETATION STRUCTURE

Land use: choose one from BL, CF, OL, UH, IC, TH, EP, SO, IL, WL, OW, SG

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	TH	BL	TL	BL	BL	TH	BL	BL
LEFT BANK-TOP (structure within 1m) BANKC	C	C	U	S	C	C	C	S	C	S
LEFT BANK FACE (structure) BANKC	S	C	U	S	S	S	S	U	B	S
RIGHT BANK FACE (structure) BANKC	S	B	B	U	S	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m) BANKC	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	FH	FH	IG	IG	IG	IG	?	IG	IG	IG

CANOPY VEGETATION (Trees)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	✓		✓		✓			✓	✓	
Emerg reed/sedge/rush		✓		✓		✓	✓			✓
Floating leaved (rooted)								✓	✓	
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/filamentous leaved		✓	✓		✓		✓			✓
Filamentous algae										

RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

CHANNEL SURVEY SHEET

	L	R		L	R
Broadleaved/mixed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		E
Orchard (OL)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)	E	✓	Suburban/urban development (SU)		

BANK SURVEY SHEET

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut		E	Resectioned		
Vertical & bare			Reinforced - whole bank		
Steep (>45°)	E	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment(s)		

CHANNEL FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☑
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☐
Coarse woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Bank(s)	☐	☑	☐
Ochs(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☑
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): Run Glide

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	15	Banktop width (m)	16.0	Banktop height (m) 1.35
Embanked height (m)		Water width (m)	17.50	Embanked height (m)
		Water depth (m)	0.15	

If trashline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ bedrock ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

FLOW OBSTRUCTIONS

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir(s)? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RECENT MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

FEATURES OF SPECIAL INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Bridges/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☑	Fen	☐	Flush	☐

CHOKED CHANNEL(S)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

RIVER CHARACTER

Major impacts: bankfill - dipping - dams - sewage - pollution - drought - abstraction - mill - dam - weed - soil - industry - farming - mining - quarrying - overdeepening - afforestation - fisheries management - other? =

Land Management: set aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Long straight wide run. Left bank very steep & well. Fast run along right bank

RIVER CORRIDOR

Adjacent? None ☐ Present ☑ Extensive ☐ Dominant Adjacent? None ☑ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

Reference network site number: 7475

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 493810 River: MEDINA

Date 9.7.1996 Time: 1110 Surveyor name PREWELL Accreditation code. PFII

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

% of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

LIFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☑ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☐ concave/bowl (If U-shaped glacial valley - add "U")
- ☑ symmetrical floodplain
- ☐ asymmetrical floodplain

Wood valley floor? No ☑ Yes ☐ | LIFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (enter 0 if none)

Riffles 20 Ungvegetated point bars 1

Pools 4 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DR. IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use BII) for - Riffles Pools Veg. side bars Veg point bars

ADDITIONAL ATTRIBUTES (for surveyed reach)

Spot check 1 in upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP										
Material (MU,BO,CO,CL,LA,PA,G,GC,SI,MU,CL,OR,BE,AR)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,AD,RS,RE,PC,SW,DA)	RS	RS	RS	NO	RS	RS	RS	RS	NO	NO
Bank feature(s) (WF,AO,EC,EC,FR,WF,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL BOWL										
Channel substrate (MU,BE,BO,CO,GR,SA,R,G,PE,AR)	SI	GR	SI	SI	GR	GR	GR	GR	GR	GR
Substrate shape (FL,CNV,CI,VF,CO,FO,IR, Others = use)	SAG	IR	KNIF	KNIF	JR	IR	IR	IR	IR	K
Flow type (FF,GR,RW,UW,DF,BF,UB,SM,MP,NO)	Sm	RP	LP	SM	UU	RP	UP	LP	Sm	UU
Channel modification(s) (NE,NO,CV,RS,RE,DA,FO)	RS	RS	NO	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (WF,AO,BO,MD,WB,SB,TR)	NO	NO	VS	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK-TOP										
Material (MU,BO,CO,CL,LA,PA,G,GC,SI,MU,CL,OR,BE,AR)	EA	EA	CL	CL	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,AD,RS,RE,PC,SW,DA)	RS	RS	RS	RS	NO	RS	RS	RS	RS	RS
Bank feature(s) (WF,AO,EC,EC,FR,WF,SB,VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VG

RIPARIAN AND INSTREAM VEGETATION STRUCTURE (Surveyed reach)

Land use: choose one from AL, CP, OL, UH, EC, IN, EP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) SHADE	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) SHADE	S	M	M	M	M	M	S	M	S	S
RIGHT BANK FACE (structure) SHADE	S	M	M	M	M	M	M	M	M	S
RIGHT BANK-TOP (structure within 1m) SHADE	S	C	M	M	M	C	C	M	M	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION (Surveyed reach)

NONE / PLANT GENERA - list first 5									✓		✓
Bryophytes/lichens											
Emerg broad-leaved herbs	Sparg. eret.	✓	✓	E	✓	✓				✓	✓
Emerg reeds/sedges/rushes	Sparg. eret.				✓		✓	✓	✓		✓
Floating-leaved (rooted)											
Free-floating											
Amphibious	Ran. fluit.					✓					✓
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

7475 RIVER HABITAT SURVEY 7500 GRID REF

DOMINANT SUBSTRATE (tick one box per band)

	L	R
Bedrock (BE)		
Boulder (CB)		
Cobble (RB)		
Gravel and pebble (GP)		
Sand (SA)	✓	✓
Silt and clay (SI)		
Artificial (AR)		

	L	R
Rough pasture (RP)	E	
Improved/semi-improved grass (IG)	C	E
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)		

ARTIFICIAL/MODIFIED

	L	R
Artificial/modified		
Resectioned	E	E
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Pitched		
Embanked		
Set-back embankments		

BANK EROSION (tick one box per bank)

	Left	Right
None	☑	☑
Localised/scattered	☐	☐
Fairly spread, single	☐	☐
Occ. clumps	☐	☐
Extensive	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Current speed/eddies	☑	☐	☐

INSTREAM FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Pool(s)	☐	☑	☐
Glide(s)	☑	☐	☐
Other	☐	☐	☑
Pool(s)	☐	☑	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☑	☐

Dominant flow sequence (select up to three features): Glide Riffle

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	7.75	RIGHT BANK
Banktop height (m)	1.40	Water width (m)	1.0	Banktop height (m) 1.45
Embanked height (m)		Water depth (m)	0.05	Embanked height (m)

If trapezium lower than banktop break in slope, indicate: height (m) 0.5 width (m) = 1.30

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

ANTHROPOGENIC FEATURES

None ☑ Number of Culverts = Fords = Weirs = Outfalls = Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

EVIDENCE OF RIVER MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐ Enhancement ☐ Other ? State .....

FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

Other (state) .....

SHADED CHANNEL

Is 33% or more of the channel shaded with vegetation? NO ☑ YES ☐

NOTABLE AND ALIEN PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nortle Rhododendron bushes

OVERALL CONDITION

Major impacts: landfill - dredging - flood - arable - pasture - drought - abstraction (spill) - dam - road - rail - industry - housing - mining - quarrying - (overgrazing) - afforestation - fisheries management - (other) - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonflies/damselflies

Other significant observations: Reactional stretch from bed rock country - R still depositi. Dominance of fastest water.

ALGAL GROWTHS

Algae? None ☑ Present ☐ Excessive ☐ Diatomal Algae? None ☑ Present ☐ Excessive ☐

RIVER HABITAT SURVEY

BACKGROUND MAP/RADIO INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SITE SURVEY DETAILS

Reference network site number: 7476

Mid-site grid reference of network site if different from designated location:

Grid Reference: SZ 590 854 River: YAR

Date: 31/7/1996 Time: 1005 Surveyor name: P Heritage Accreditation code: PA1

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state ...

Bed of river visible? No ☑ Partially ☐ Entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee
☑ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D PREDOMINANT RESOURCE USE IN RIVER CORRIDOR (tick all that apply)

Riffles — Unvegetated point bars
Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
R. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY

TALLY (one per) for - Riffles | Pools | Unvegetated point bars | Vegetated point bars

A SITE CHARACTERISTICS

Spot check 1 in - sequence	☑ downstream ☐	1	1	1	1	1	1	1	1	10
B PHYSICAL ATTRIBUTES										
Material		GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modifications(+)		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(+)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
C SITE CHARACTERISTICS										
Channel substrate		SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type		NP	SM	SM	SM	SM	SM	SM	UP	UP	NP
Channel modifications(+)		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features(+)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK if functioning banks		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material		GA	GA	GA	GA	GA	GA	GA	GA	GA	GA
Bank modifications(+)		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(+)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (within 10m - sides combined)										
Land use - choose one from: AL, CP, OR, UR, IC, IN, RF, IC, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)		IG	IG	IG	IG	IG	IG	IG	IG	TH	TH
LEFT BANK TOP (structure within 5m)	metric	U	U	U	U	U	U	U	U	C	U
LEFT BANK FACE (structure)	metric	S	S	S	U	S	S	S	S		
RIGHT BANK FACE (structure)	metric	S	U	U	U	U	U	S	S		
RIGHT BANK TOP (structure within 5m)	metric	S	U	U	S	S	U	U	U		
LAND USE WITHIN 5m OF BANK TOP (R)		RP	RP	RP	RP	PP	RP	RP	RP	RP	RP

G ANCILLARY INFORMATION

HOME / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg. broad-leaved herbs										
Emerg. reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/fibrous-leaved										
Filamentous algae										

SITE NO. 7476

E CHANNEL MODIFICATIONS

	L	R		L	R
Bridge/built/mixed woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	✓	

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Revetment	E	E
Vertical + toe			Reinforced - whole bank		
Sheep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankments		

F CHANNEL FEATURES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☑	☑
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Undercut tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(+)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(+)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(+)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(+)	✓	☐	☐	Unvegetated mid channel bar(+)	☑	☐	☐
Run(+)	✓	☐	☐	Vegetated mid channel bar(+)	☑	☐	☐
Bend(+)	✓	☐	☐	Mature island(+)	☑	☐	☐
Glide(+)	☐	☐	☑	Unvegetated side bar(+)	☐	☐	☐
Pool(+)	✓	☐	☐	Vegetated side bar(+)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Glide

---

RIVER HABITAT SURVEY

H CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.10	Bankfull width (m)	7.0	Bankfull height (m)	1.10
Embanked height (m)		Water width (m)	6.0	Embanked height (m)
		Water depth (m)	0.95	

If trapezium/lower than bankfull bank in slope, indicate: height (m) = 1.0 width (m) = 6.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ both/varies ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

I MAN-MADE STRUCTURES

None ☐ Number of: Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

J RIVER BANK MANAGEMENT

None ☐ Dredging ☐ Mowing ☑ Weed cutting ☐ Bankside planting ☐ Bankside fencing ☐ Other? State: ...

K FEATURES OF ARTIFICIAL ORIGIN

None ☑

Weir/falls > 5m high	☐	Artificial open water	☐	Bay	☐
Bridges/side channels	☐	Natural open water	☐	Cars	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Pools	☐

Other (state):

L CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

M INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mimulus, Rhododendron, Impatiens

N LAND USE

Major impacts: landfill - tipping - mines - sewage - pollution - drought - obstruction - mill - dam - weed - fish industry - farming - mining - quarrying - urbanisation - afforestation - fisheries management - other? -

Land Management: cut weeds - buffer strip - headland - abandoned land - parkland - MoD other? - Common land

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: ...

O ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

1. BACKGROUND MAPS AND INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class | Flow ?

2. SURVEYED REACH

Reference network site number: 7478

Mid-site grid reference of network site if different from designated location:

Grid Reference: SK 093745 River: DELANIC RIVER

Date: 3/5/1996 Time: 1220 Surveyor name: P.HOWELLS Accreditation code: PE11

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

3. DOMINANT VALLEY FORM (see Section 3 of Field Guide)

☐ shallow vee
☐ deep vee
☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐

IFE - VALLEY FORM NOTES:

4. MAIN FEATURES AND OTHER DATA (see Section 4 of Field Guide)

Riffles | Unvegetated point bars
Pools | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WSDW, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

5. RIVER HABITAT SURVEY: CONSTRAINTS

FALLY (see SEE) for - Riffles | Pools | Unveg. side bars | Veg point bars

5.1 REGIONAL ATTRIBUTES (for expected channel type)

Spot check for upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material (see BE, BO, CO, CL, LI, PO, CC, SP, SA, BR, ZM)	CA	EA	BO	EA	RO	BO	CA	CA	CA	BO
Bank modifications(s) (RE, PO, RS, RI, PC, BM, ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (PP, PO, EC, IC, PB, TP, ZB, TS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANKTOP										
Channel substrate (BE, BO, CO, CP, SA, GI, CL, PE, AR)	BO	CO	NV	BO	RO	RO	BO	RE	BE	RE
Substrate shape (FL, CV, CC, SF, CH, FO, IR, Other - note)	CV	EC	NA	CN	CN	FO	CN	CV	FC	FL
Flow type (FT, CH, BW, WF, ES, BF, SW, BH, BP, FO)	CH	RF	RF	UU	UU	UU	CH	UU	UU	UW
Channel modifications(s) (RE, PO, CV, RS, RI, DA, FO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (PP, PO, BO, WB, VB, RI, TR)	RO	RO	RO	RO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material (see BE, BO, CO, CE, LA, PO, CL, CC, SP, SA, GI, BR)	BO	EA	BO	BO	RO	RO	BO	BO	BE	EA
Bank modifications(s) (RE, PO, RS, RI, PC, BM, ZM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (PP, PO, EC, IC, PB, TP, ZB, TS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

5.2 BANKTOP AND LAND USE STRUCTURE (for 50m each bank)

Land use: choose one from: BL, CP, OR, MH, MC, IN, RT, IG, IL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	BL	BL	RL	RL	RL	RL
LEFT BANK-TOP (structure within 1m) MM/MC	S	S	S	U	U	U	S	S	S	C
LEFT BANK FACE (structure) MM/MC	U	U	U	U	S	S	U	U	U	U
RIGHT BANK FACE (structure) MM/MC	S	S	U	C	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) MM/MC	S	S	U	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	B.	B.	BL	BL	BL	RL	RL	RL	RL	RL

5.3 CHANNEL VEGETATION TYPES (for 50m each bank)

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	E	E	E	E	E	E	E	E	E	E
Emerg broad-leaved herbs (Phragmites)	✓	✓			✓	✓	✓			✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

6. RIVER HABITAT SURVEY: CONSTRAINTS

SITE NO. 7478

6.1 CHANNEL MODIFICATIONS (see Section 6.1 of Field Guide)

	L	R		L	R
Bridge/culvert - masonry (BR)	E	E	Rough pasture (RP)		✓
Bridge/culvert - concrete (BC)			Improved/semi-improved grass (IG)		
Bridge/culvert - other (BO)			Tilled land (TL)		
Embankment/set back (EM)	E		Wetland (eg bog, marsh, fen) (WL)		
Spoil (SO)			Open water (OW)		
Quarry/mine (QM)			Suburban/urban development (SU)		

	L	R		L	R
Natural/semi-NS/nil			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
nil + toe			Reinforced - whole bank		
(>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Perched		
			Embanked		
			Set back embankments		

6.2 LOCAL FEATURES AND ASSOCIATED FEATURES (see Section 6.2 of Field Guide)

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

6.3 CHANNEL FEATURES (see Section 6.3 of Field Guide)

	None	Present	E (≥33%)
Waterfall(s)	☐	☐	☐
Cascade(s)	☐	☐	☑
Rapid(s)	☑	☐	☐
Riffle(s)	☑	☐	☐
Run(s)	☐	☐	☑
Pool(s)	☐	☑	☐
Glide(s)	☑	☐	☐
Pond(s)	☑	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders	☐	☐	☑
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☐	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): Cascade Run Riffle

7. RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

7.1 CHANNEL DIMENSIONS (see Section 7.1 of Field Guide)

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.10	Banktop width (m)		Banktop height (m)	0.90
Embanked height (m)		Water width (m)	10.0	Embanked height (m)	
		Water depth (m)	0.5		

If trashlines lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

7.2 ARTIFICIAL INFLUENCES (see Section 7.2 of Field Guide)

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirs/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

7.3 RECENT CHANNEL MANIPULATION (see Section 7.3 of Field Guide)

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

7.4 CHANNEL MANAGEMENT (see Section 7.4 of Field Guide)

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

7.5 LOCAL FEATURES (see Section 7.5 of Field Guide)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

7.6 ADJACENT LAND USE (see Section 7.6 of Field Guide)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bushes

7.7 OVERALL RIVER MANAGEMENT (see Section 7.7 of Field Guide)

Major impacts: bankSE - dipping - fence - sewage - pollution - dynamite - obstruction - mill - dam - weed - mill - highway - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad mertin - heron - dragonflies/damselflies

Other significant observations: Large meander & fair step pool sequence Undercut apex to a few steep steep gradient bank both sides. Bank side trees to footbank then undulate upto 10-15m. a Plain.

7.8 RIVER CORRIDOR (see Section 7.8 of Field Guide)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

Reference network site number: 7481

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 387770 River: R. TAMAR

Date 13/5/1996 Time: 1015 Surveyor name P Mewburn Accreditation code. PF11

Adverse conditions affecting survey? No ○ Yes ○ If yes, state .....

Bed of river visible? No ✓ partially ○ entirely ○ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ○ Yes ✓ (tick one box)

Site surveyed from: left bank ○ right bank ○ channel ○ (tick as appropriate)

C PREDOMINANT VALLEY FORM (see guidance)

✓ shallow vee
○ deep vee
○ gorge
○ concave/bowl (If U-shaped glacial valley - add 'U')
○ symmetrical floodplain
○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○

IFE - VALLEY FORM NOTES:

Riffles ○
Pools ○
Unvegetated point bars ○
Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
I. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	BR
Bank modification(s)	NO	NO	PC	PC	NO	NO	PC	NO	PC	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	BE	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	OU	NA	NA
Flow type	RP	RP	RP	UW	RP	RP	RP	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	U
RIGHT BANK FACE (structure)	S	S	S	S	S	S	C	C	S	S
RIGHT BANK-TOP (structure within 1m)	C	C	S	S	C	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	IG

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓			✓
Bryophyte/lichen										
Emerg broad-leaved herbs								✓	✓	✓
Emerg reed/sedge/rushes										✓
Floating-leaved (rooted)										
Free-floating										
Submerged										
Submerged broad-leaved										
Submerged fine/filamentous										
Filamentous algae										

SITE NO: 7481

	L	R		L	R
Broadleaved/mixed woodland (BL)	E	E	Riffle pattern (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Recontoured		
Vertical + toe			Reinforced - whole bank	✓	
Steep (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial toe-stage		
			Perched	✓	
			Embanked		
			Set back embankment		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/occasional	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	✓	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	○	✓	○
Underwater tree roots	○	✓	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

	None	Present	E (≥ 1/5)		None	Present	E (≥ 1/5)
Waterfall(s)	✓	○	○	Marginal deadwater	○	✓	○
Cascade(s)	○	✓	○	Exposed bedrock	○	✓	○
Rapid(s)	○	✓	○	Exposed boulders	○	✓	○
Riffle(s)	✓	○	○	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	○	✓	○	Vegetated mid channel bar(s)	○	○	○
Bank(s)	○	✓	○	Mature island(s)	✓	○	○
Glide(s)	○	✓	○	Unvegetated side bar(s)	✓	○	○
Pool(s)	✓	○	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): Riffle

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (a)	4.5	RIGHT BANK	
Bankop height (a)	1.80	Water width (a)	4.0	Bankop height (a)	2.10
Embanked height (a)		Water depth (a)	N.K.	Embanked height (a)	

If trapezium lower than bankop break in slope, indicate: height (a) = ... width(a) = ...

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ mixture ✓

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

Dams: None ✓ Number of ... Culverts = ... Weirs = ... Outfalls = ... Fords = ... Footbridges = ... Bridges = ... Other = ...

Is water impounded by weir/dam? No ○ Yes, <1/3 of site ○ >1/3 of site ○

Bridges: None ✓ Decking ○ Arching ○ Weir crossing ○ Embarkment ○ Other ? State .....

Channel Artificial Features: None ○ Weirfalls > 1m high ○ Braided/side channels ○ Debris dams ○ Leafy debris ○ Artificial open water ○ Natural open water ○ Weed meadow ○ Pool ○ Bay ○ Cut ○ Marsh ○ Flash ○ Other (state)

Is 1/3 or more of the channel shaded with vegetation? NO ✓ YES ○

Bankside Vegetation: None ○ Closed Hedgerow ○ Hawthorn Hedgerow ○ Japanese Knotweed ○ Other? Mostly Rhododendron bushes

Major Impacts: bankfill - dipping - lime - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - tubing - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Large ... Man ... Man ... Small ... Fallen ... Small ... Small ... Small

BACKGROUND INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY DETAILS

Reference network site number: 7482

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 448769 River: LUMBURN

Date 4/5/1996 Time: 0945 Surveyor name: CHENEVIX Accreditation code: C 11

Adverse conditions affecting survey? No ☒ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☒ (tick one box)

IFE single photograph: general character? No ☐ Yes ☒ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☒ channel ☒ (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

☒ shallow vee ☐ coincave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

CHANNEL FEATURES (counts and dimensions)

Riffles 17 | Unvegetated point bars 0
Pools 0 | Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

TALLY (use JBH) for - Riffles "17" Pools Unveg. side bars Veg point bars

1 DOMINANT WATER ATTRIBUTES (tick one box per column)

Spot check 1 m: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material *	EA	GR	GR	GR	GR	EA	GA	RP	EA	EA
Bank modifications(s)	NO	RI	RI	RI	RI	NO	NO	RW	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

2 CHANNEL DIMENSIONS AND FLOW

Channel substrate *	CO	GP	GP	GP	GP	CO	CO	CO	BE	CO
Substrate shape	CU	IR	IR	IR	IR	FL	FL	FL	FL	FL
Flow type *	UNI	UU	RP	UW	UU	UU	UU	UU	UU	RP
Channel modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RD	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK - tick if (sections) different

Material *	EA	BO	EA	EA	EA	DU	EA	BR	GR	GR
Bank modifications(s)	NO	NO	NA	NO	NO	PC	RT	NO	RI	RI
Bank feature(s)	NO	NO	NO	NO	SB	NO	NO	NO	NO	NO

3 BANKTOP LAND USE AND VEGETATION ATTRIBUTES (tick one box per column)

Land use: choose one from: AL, CP, OR, URB, IC, IN, RP, SG, TL, WL, OW, SD

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SU	SU	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	C	C	S	S	C	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	B	S	S	B	S	U
RIGHT BANK FACE (structure)	U	U	U	U	S	B	S	C	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	S	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	TH	IG	TH	IG

4 IN-CHANNEL VEGETATION (%)

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓		✓
Bryophytes/lichens			✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs					✓				✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓		✓			✓	✓		✓

Benthic = 1.2m

SITE NO. 7482

5 RIVER CHANNEL SURVEY: DIMENSIONS AND INFLUENCES

5.1 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	0.35	Bankop width (m)	3.80	
Embanked height (m)		Water width (m)	2.50	Bankop height (m) 0.40
		Water depth (m)	0.15	Embanked height (m)

If benchline lower than bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (complete) ☒ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: cliffin ☐ run or glide ☐ other ☐ (tick one box)

5.2 CHANNEL NOTES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

5.3 RECENT CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

5.4 CHANNEL ARTIFICIALITY

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☒ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fleet ☐

5.5 CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☒ YES ☐

5.6 NOTABLE PLANTS

None ☒ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? (Nordic Rhododendron bracteatum)

5.7 OTHER INFLUENCES

Major impacts: landfill - tipping - mines - sewage - pollution - drought - abstraction - mill - dam - weed - soil dustbowl - farming - mining - quarrying - woodchopping - afforestation - fisheries management - silting - other? =

Land Management: soil-guide - buffer strip - farmland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Steep small main long riffles with low flow in de
Down wide 1120m - left bank low 20 wide - south
Down left Br. 20 - 30m - left a 50m way. Down to Bridge.

5.8 ENGINEERING WORKS

Added? None ☒ Present ☐ Extensive ☐ Diminished Added? None ☒ Present ☐ Extensive ☐

6 RIVER CHANNEL SURVEY: CHANNEL SURVEY SHEET

	L	R
Broadleaved/mixed woodland (BL)		
Coniferous plantation (CF)		
Orchard (OR)		
Scrub/heath (SH)		
Scrub (SC)		
Tall herbs* - rank vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	E	G
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)	✓	✓

	L	R
Natural/unmodified		
Vertical/undercut	E	E
V < 45°		
S > 45°	✓	✓
G	✓	✓
Composite		

	L	R
Artificial/modified		
Recreational		
Reinforced - whole bank	E	✓
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Perched	✓	✓
Embanked		
Set-back embankments		

6.3 TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☒	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥33%)
Shading of channel	☐	☐	☐
Overhanging boughs	☐	☒	☐
Exposed bankside roots	☒	☐	☐
Underwater tree roots	☐	☒	☐
Fallen trees	☒	☐	☐
Coarse woody debris	☐	☒	☐

6.4 IN-CHANNEL FEATURES

	None	Present	E (≥33%)
Bedrock(s)	☒	☐	☐
Cascade(s)	☐	☒	☐
Pool(s)	☒	☐	☐
Riffle(s)	☐	☐	☒
Run(s)	☐	☐	☒
Unit(s)	☒	☐	☐
Chute(s)	☐	☒	☐
Unit(s)	☒	☐	☐

	None	Present	E (≥33%)
Marginal deadwater	☒	☐	☐
Exposed bedrock	☐	☒	☐
Exposed boulders	☐	☒	☐
Unvegetated mid-channel bar(s)	☒	☐	☐
Vegetated mid-channel bar(s)	☐	☒	☐
Multiple islands(s)	☒	☐	☐
Unvegetated side bar(s)	☐	☒	☐
Vegetated side bar(s)	☒	☐	☐

Indicate predominant flow sequence (select up to three features): Riffle Pool Cascade

BACKGROUND AND SITE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Pfaaform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

Reference network site number: 74-8.3

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 530 775 River: COLLEY BROOK.

Date: 4/5/1996 Time: 1535 Surveyor name: PH Accreditation code: PFH

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

C. VALLEY FORM

✓ shallow vee ○ concave/bowl (If U-shaped glacial valley - add "U")
○ deep vee ○ symmetrical floodplain
○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

D. HABITAT AND SUBSTRATE

Riffles 19 Unvegetated point bars ○
Pools ○ Vegetated point bars ○

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SB11

TALLY (one tick for each kick) Using side net 11 Via glass bars

B. PHYSICAL ATTRIBUTES

Spot check 1 at: upstream ○ downstream ✓	1	2	3	4	5	6	7	8	9	10
1. BANK MATERIALS										
Material 1st (BE,BO,CO,ES,EA,FO,GC,GP,SI,ME,PEAT)	EA	EA	EA	EA	BO	BO	EA	CO	EA	EA
Bank modification(s) (NE,AO,ES,RI,PC,AM,DI)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF,AO,EC,EC,FA,WF,SD,VE)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2. CHANNEL MATERIALS										
Channel substrate 1st (BE,BO,CO,GP,SI,ME,PEAT)	CO	CO	GP	BE	ES	CO	CO	CO	GP	BE
Substrate shape (FL,CH,CL,BE,CO,NO,Other - use)	CL	FL	SR	FL	FL	FO	IR	CH	IR	FL
Flow type (FT,BWP,WP,BS,BR,NP,NO)	UNF	UNF	UNF	UNF	CH	UNF	RP	UNF	RP	CH
Channel modification(s) (NE,AO,DT,AR,DR,NO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NF,NO,BO,BR,WB,RO,IS)	RO	NO	NO	RO	PO	NO	NO	NO	NO	RO
3. BANK VEGETATION (%)										
Material 1st (NE,BE,BO,CO,ES,EA,FO,GC,GP,SI,ME,PEAT)	EA	BE	EA	CO	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE,AO,ES,RI,PC,AM,DI)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NF,NO,EC,EC,FA,WF,SD,VE)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4. FUNCTIONAL LAND USE AND VEGETATION STRUCTURE										
Land use: choose one from BL, CF, DE, HW, IC, IE, GF, IG, EL, WL, WW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	RP	RP	RP	RP	RP	RP	IG	TH	IG
LEFT BANK-TOP (structure width 1m) SHADE	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) SHADE	U	U	U	U	U	U	U	U	U	S
RIGHT BANK FACE (structure) SHADE	U	U	U	S	S	U	U	S	S	U
RIGHT BANK-TOP (structure width 1m) SHADE	U	S	U	U	U	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	RP	RP
5. MACROPHYTES (% cover)										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	E	E	✓	E	E	✓	E	E	E	E	E
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes									✓	✓	✓
Floating fen-weed (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae	✓	E	E	E	E	E	E	E	E	E	E

SITE NO. 7493

B. PHYSICAL ATTRIBUTES

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)	✓	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/thumb (MD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rural vegetation (TH)			Suburban/urban development (SD)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		
Vertical + ledge	E	E	Reinforced - whole bank		
Sloop (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial toe-stage		
			Pitched	✓	✓
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	✓
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 3.3/5)
Shading of channel	○	✓	○
Overhanging boughs	✓	○	○
Exposed bankside roots	✓	○	○
Undercut tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	○	✓	○

	None	Present	E		None	Present	E (≥ 3.3/5)
Waterfall(s)	○	✓	○	Marginal deadwater	○	✓	○
Cascade(s)	○	✓	○	Exposed bedrock	○	✓	○
Rapid(s)	✓	○	○	Exposed boulders	○	✓	○
Riffle(s)	○	○	✓	Unvegetated mid-channel bar(s)	✓	○	○
Run(s)	○	○	✓	Vegetated mid-channel bar(s)	✓	○	○
Pool(s)	✓	○	○	Mature islands(s)	○	○	○
Glide(s)	○	✓	○	Unvegetated side bar(s)	○	✓	○
Pool(s)	✓	○	○	Vegetated side bar(s)	○	○	○

Indicate predominant flow sequence (select up to three features): Riffle Run Glide

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C. RIVER DIMENSIONS AND FLOW

LEFT BANK		Bankop width (m)	7.0	RIGHT BANK
Bankop height (m)	0.90	Water width (m)	2.40	Bankop height (m) 0.50
Embanked height (m)		Water depth (m)	0.40	Embanked height (m)

If overbank lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ✓ run or glide ○ other ○ (tick one box)

D. CHANNEL MANAGEMENT

None ✓ Method of: Cutweed = Weeds = Outfalls = Fords =
Footbridges = Bankbridges = Other =

Is water impounded by weirdam? No ○ Yes, <25% of site ○ >25% of site ○

E. CHANNEL MANAGEMENT CONTINUED

None ○ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? State .....

F. CHANNEL FEATURES

None ○
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (desc) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ✓ Water meadow ○ Marsh ✓
Leafy debris ○ Fen ○ Flush ○

G. FLOW

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

H. ALIEN SPECIES

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mimulus Rhododendron Invasive

I. OTHER FEATURES

Major impacts: bankfill - dredging - filter - sewage - pollution - drought - abstraction - mill - dam - weed - mill industry - farming - mining - quarrying - overstocking - afforestation - fisheries management - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - herons - dragonflies/damselflies

Other significant observations: marked deep shaw from heavy fishery edge and swans. Heavy riffle flow below waterfalls. Willow, Rose, Bramble along bank.

J. ALIENS

Alien? None ✓ Present ○ Extensive ○ Diseased Alien? None ✓ Present ○ Extensive ○

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 7487

Mid-site grid reference of network site if different from designated location:

Grid Reference: 91574 River: Dearne Water

Date: 23.5.1996 Time: 9.00 Surveyor name: Griffiths Accreditation code: PF38

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

GEOMORPHOLOGY / VALLEY FORM

- ☐ shallow vee
- ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☑ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

HABITAT QUALITY AND DIVERSITY

Riffles 40 Unvegetated point bars 3

Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO AWSOM, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SURVEY OBSERVATIONS AND COMMENTS

TALLY (one dot) for - Riffles, Pools, Using 20m bank, Veg point bars

PHYSICAL ATTRIBUTES

Spot check no. (equivalent to) downstream	1	2	3	4	5	6	7	8	9	10	
LEFT BANK TICK if functional feature											
Material (ie as in CO CS AR FI CL SC ZY ST CA AR BE RO)	EA	EA	EA	EA	EA	EA	EA	EA			CA
Bank modification(s) (ie AR AS BA FC JM DA)	NO	NO	NO	NO	NO	NO	NO	NO			NO
Bank feature(s) (ie AN EC FA FP SB SI)	SB	SC	NO	SC	EC	EC	NO	NO			NO
CHANNEL TICK if functional feature											
Channel substrate * (ie BE BO CO DY SA SI CL FL AR)	GP	GP	GP	GP	GP	GP	GP	GP	AR	GP	
Substrate shape (1, DY CL SI CO NO BE, Other)											
Flow type * (TT, CH RP, WF, CF SW, SM, HP, NO)	RP	RP	UW	RP	UW	RP	UW	RP			RP
Channel modification(s) (ie AR, AS, EV, ES, SM, DA, NO)	NO	NO	NO	NO	NO	NO	NO	NO	CV		NO
Channel feature(s) (ie NO, IO, IS, VS, PP, TS)	NO	NO	NO	NO	NO	NO	RO	NO			RO
RIGHT BANK TICK if functional feature											
Material *(ie AL, CO, CS, EA, FI, CL, SC, ZY, ST, CA, AR, BE, RO)	EA	EA	EA	EA	EA	EA	EA	EA			EA
Bank modification(s) (ie NO, RS, RF, CM, DA)	NO	PC	NO	NO	NO	NO	NO	NO			NO
Bank feature(s) (ie NO, EC, SC, FA, VP, SB, VT)	NC	NO	NO	NO	SB	FB	NO	NO			NO

* BANKTOP LAND USE AND ASSOCIATION STRUCTURES (within assessed zone = 10m)

Land use: choose one from: IG, SF, OA, OH, RC, TH, SP, IO, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SC	IG	SC	SU	SU	SU
LEFT BANK-TOP (structure within 1m) assess	C	S	C	C	C	S	C	S	B	S
LEFT BANK FACE (structure) assess	C	B	C	C	B	B	S	S	B	S
RIGHT BANK FACE (structure) assess	S	S	C	C	C	S	S	S	S	C
RIGHT BANK-TOP (structure within 1m) assess	S	C	C	C	C	C	S	S	B	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	SC	SC	SC	SC	SC	SU	SC

* PLANT GENERA (1st 5 per reach)

NONE / PLANT GENERA - list first 5										
Bryophytes/filmous					✓		✓			
Emerg broad-leaved herbs		✓		✓	✓	✓	✓	✓		✓
Emerg reeds/sedges/rushes		✓								✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/filam-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	..	✓

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no PF87

CHANNEL CROSS-SECTION

	L	R		L	R
Bare/Disturbed woodland (BL)			Rough pasture (RP)		
Improved grass (IG)			Improved/semi-improved grass (IG)	E	E
Tilled land (TL)			Tilled land (TL)		
Scrub (SC)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Tall "herb" and vegetation (TH)			Open water (OW)		
			Suburban/urban development (SU)	E	✓

BANK PROFILE

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	✓	✓	Reinforced		
Vertical - whole bank	✓	✓	Reinforced - whole bank	E	E
Gentle	✓		Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set back embankments		

FEATURES (tick one box per bank)

	Left	Right
None	☐	☐
Undercut/undermined	☐	☐
Exposed roots, single	☐	☐
Exposed roots, multiple	☐	☐
Unconsolidated channel changes	☐	☐
Poached/eroded	☑	☑
Other (specify)	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 1/5)
Shading of channel	☐	☐	☑
Overhanging trees	☐	☐	☑
Exposed boulders (large, immobile stones)	☑	☐	☐
Unconsolidated bars (loose, mobile stones)	☑	☐	☐
Exposed bedrock	☐	☑	☐
Exposed tree stumps	☐	☑	☐

HABITAT TYPES

	None	Present	E
Pool(s)	☐	☑	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☑	☐
Rapid(s)	☑	☐	☐
Silk(s)	☑	☐	☐
Silk(s)	☐	☐	☐
Silk(s)	☑	☐	☐

	None	Present	E (≥ 1/5)
Marginal deadwater	☑	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☐	☑	☐
Vegetated mid-channel bar(s)	☐	☑	☐
Marginal island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): Riffle - Run

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CHANNEL DIMENSIONS AND OBSERVATIONS

LEFT BANK				RIGHT BANK
Bankfull width (m)	3.3			
Bankfull height (m)	0.4	Water width (m)	2.3	Bankfull height (m) 0.7
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)

If condition lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (transport) ☑ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

CHANNEL MODIFICATIONS

None ☐ Number of: Culverts = Weirs = Outfalls = Pools =
Footbridges = Roadbridges = 1 Other =
Is water impounded by weir(s)? No ☑ Yes, <25% of site ☐ >25% of site ☐

BANKSIDE MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? Stock TREE/SCRUB CLEARING

BANKSIDE VEGETATION

None	☐		
Waterfalls > 5m high	☐	Artificial open water	☐
Bridges/side channels	☐	Natural open water	☐
Exposed stones	☑	Water meadow	☐
Land adjacent	☐	Fen	☐
Bog		Other (state)	
Carr			
Marsh	☐		
Flush	☐		

CHANNEL OBSTRUCTIONS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

CHANNEL MANAGEMENT

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

OTHER OBSERVATIONS

Major: dredging - channelisation - bankside reconstruction - bank reinforcement - bank clearance - bankside mowing - bankside grazing - overdeepening - embankments - fisheries management - tidying - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - heron - dragonflies/damselflies

Other significant observations: Very overgrown in places - access difficult

ALGAL GROWTHS

Algae? None ☐ Present ☐ Extensive ☑ Diatomal Algae? None ☑ Present ☐ Extensive ☐

Background Site Information

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

Reference acrwork site number: 7490

Mid-site grid reference of acrwork site if different from designated location:

Grid Reference: SX 096628 River: Fowey

Date: 3/7/1996 Time: 0910 Surveyor name: C. Hemsley Accreditation code: CF11

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ○ right bank ✓ channel ○ (tick as appropriate)

Geomorphology

○ shallow vee
○ deep vee
○ gorge
○ coarse/bowl (If U-shaped glacial valley - add "U")
✓ symmetrical floodplain
✓ symmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE : VALLEY FORM NOTES:

Channel Dimensions and Features

Riffles 5 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. H. DAWSON, ITE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

River Habitat Survey Field Sheet 1

TALLY (one dot) for : Riffles (1) | Pools 2 | Unveg. side bars | Veg. point bars

Spot check 1 in: riparian ○ channel ✓

	1	2	3	4	5	6	7	8	9	10
Bank Profile										
Material *	EA	EA	CO	EA	EA	BS	EA	BL	BL	EA
Bank modifications(+)	NO	NO	NO	NO	NO	NO	NO	RS	RS	PC
Bank features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow										
Channel substrate *	GP	CO	CO	CO	CO	CO	CO	GP	NV	CO
Substrate shape	IR	FL	IR	FL	IR	IR	FL	IR	NA	EL
Flow type *	UP	RP	UU	RP	RP	UU	UU	RP	RP	PP
Channel modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+)	MS	NO	NO	NO	NO	NO	NO	VR	NO	NO	NO
Bank Vegetation										
Material *	EA	EA	EA	CL	EA	EA	EA	EA	EA	EA
Bank modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(+)	SB	N*	SC	NO	NO	NO	NO	NO	NO	NO

Land Use and Boundary Vegetation

Land use: choose one from: BL, CP, OL, HR, RC, TR, OF, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	RL	BL	BL	BL	BL	RL	RL	RL	IG
LEFT BANK-TOP (structure within 5m) MOSC	C	S	S	S	S	C	S	C	S	W
LEFT BANK FACE (structure) MOSC	S	S	W	S	S	W	S	S	W	S
RIGHT BANK FACE (structure) MOSC	S	S	S	W	S	S	S	W	S	S
RIGHT BANK-TOP (structure within 5m) MOSC	S	W	S	B	S	S	S	W	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	RL	BL	BL	BL	BL	BL	RL	PL	RL

Vegetation Survey

NONE / PLANT GENERA - list first 3	✓									
Bryophytes/lichens		✓	✓	✓	✓		✓	✓	✓	✓	✓
Emerg broad-leaved herbs			✓					✓			
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/filmy-leaved											
Filamentous algae						✓					✓

SITE NO. 4(2)

Bankside Features

	L	R
Semi-natural woodland (SL)	E	E
Coniferous plantation (CP)		
Orchard (OL)		
Moorland/heath (MH)		
Scrub (SC)		
Tall herbs * and vegetation (TH)		

	L	R
Rough pasture (RP)		
Improved/semi-improved grass (IG)	✓	
Tilled land (TL)		
Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)		
Suburban/urban development (SU)	✓	✓

Bankside Materials

	L	R
Natural/semi-natural		
Vertical/undercut	E	E
Vertical + toe		
Sloping (>45°)	E	✓
Gentle	✓	
Composite		

	L	R
Artificial/modified		
Reinforced		
Reinforced - whole bank	✓	✓
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached	✓	✓
Embanked		
Set-back embankments		

Trees and Associated Features

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	✓	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (1,2,3,5)
Shading of channel	○	○	✓
Overhanging boughs	✓	○	○
Exposed bankside roots	○	✓	○
Undercut tree roots	○	✓	○
Fallen trees	✓	○	○
Crown gravity defects	✓	○	○

	None	Present	E
Waterfalls(+)	○	○	○
Cascades(+)	○	✓	○
Rapids(+)	✓	○	○
Riffles(+)	○	○	✓
Runs(+)	○	○	✓
Pools(+)	○	✓	○
Glides(+)	✓	○	○
Pools(-)	○	✓	○

	None	Present	E (1,2,3,5)
Marginal deadwood	○	✓	○
Exposed bedrock	○	○	○
Exposed boulders	○	○	○
Unvegetated mid-channel bar(+)	✓	○	○
Vegetated mid-channel bar(+)	○	✓	○
Mature islands(+)	○	✓	○
Unvegetated side bar(+)	○	✓	○
Vegetated side bar(+)	✓	○	○

Indicate predominant flow sequence (select up to three features): Riffle Run

River Habitat Survey Field Sheet 2

Channel Dimensions

LEFT BANK		Bankop width (m)	12.50	RIGHT BANK	
Bankop height (m)	1.80	Water width (m)	11.25	Bankop height (m)	1.50
Embanked height (m)		Water depth (m)	0.90	Embanked height (m)	

If trapezium between bankop break in slope, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (compact) ○ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ○ other ○ (tick one box)

Channel Modifications

None ○ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Bridges = Other =

Is water impounded by weir/dam? No ○ Yes, <33% of site ○ >33% of site ○

Channel Management

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Enhancement ○ Other ? Bank .....

Features of Special Interest

None ✓
Waterfalls > 1m high ○ Artificial open water ○ Bog ○ Other (state) .....
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Locally debris ○ Fen ○ Fluvio ○

Channel Substrate

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

Bankside Vegetation

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Mainly Rhododendron bushes

Land Use

Major impacts: landfill - dipping - litter - sewage - pollution - drainage - abstraction - silt - dam - weir - culverting - bunding - sidebag - quarrying - overgrazing - afforestation - fisheries management - other? -
Public Footpath walks. Fish farm - 2 ponds bank.
Land Management: no visible - buffer strip - farmland - abandoned land - parkland - MoD - other? - Large Round Hay
Animals: other - mink - water vole - kingfisher (dipper) grey wagtail - mud martin - heron - dragonflies/damselflies
Other significant observations: Wide footpath over shallow water inlet on left part of Right bank. Fast moving water right bank long riffles

Artificial Features

Adjacent? None ○ Present ✓ Extensive ○ Downstream Adjacent? None ✓ Present ○ Extensive ○

BACKGROUND LOCATION INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

HABITAT SURVEY DETAILS

Reference network site number: 7491.

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX150657. River: Fowey.

Date 3/5/1996 Time: 1105 Surveyor name: [illegible] Accreditation code: FF.11

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☐ (tick as appropriate)

CHANNEL AND VALLEY FORM (tick boxes)

☐ shallow vee
☐ deep vee
☐ gorge
☑ concave/bowl (If U-shaped glacial valley - add "U")
☐ symmetrical floodplain
☐ symmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SUBSTRATE AND INSTREAM COVER

Riffles 7 — Unvegetated point bars

Pools 1 — Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WSOW, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

HABITAT SURVEY FIELD SHEET

TALLY (one per) for - Riffles |||||\ Pools 1 Usable, side bars Veg point bars

Spot check 1 in: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
SUBSTRATE										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	CO	CO	CO	CO	CO	CO	CO	SA	CO	CO
Substrate shape	EL	CU	OV	FL	FL	FL	FL	NA	EL	EL
Flow type *	RP	RP	WU	RP	RP	NO	WU	RP	RP	RO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NA	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANK AND BANKSIDE										
Material *	EA	EA	EA	CO	EA	EA	CO	CC	EA	BR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s)	NO	NO	CB	SB	NO	NO	NO	NO	NO	NO
FUNCTIONAL AND TYPE NO VEGETATION STRUCTURES										
Land use: choose one from: IA, CP, OR, UR, IC, TR, RF, IG, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL	IG	BL	BL	BL	IG	SC	RL
LEFT BANK-TOP (structure within 1m) MMSC	U	U	S	S	S	C	S	S	S	S
LEFT BANK FACE (structure) MMSC	S	S	C	S	S	S	S	S	S	C
RIGHT BANK FACE (structure) MMSC	S	S	S	S	S	S	S	U	S	S
RIGHT BANK-TOP (structure within 1m) MMSC	S	U	U	S	S	S	U	B	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	IG	IG	IG	SH	TL	
VEGETATION ZONATION										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓			✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs			✓	✓	✓	✓			✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae				✓	✓	✓	✓		✓	✓

SITE NO. 7491

HABITAT SURVEY FIELD SHEET

SUBSTRATE AND INSTREAM COVER

	L	R		L	R
Boulder/cobble exposed (BE)	E	✓	Rough pasture (RP)	✓	
Cobble deposition (CP)			Improved/semi-improved grass (IG)		E
Gravel (GR)			Tilled land (TL)		
Sand/silt (SAN)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs* and vegetation (TH)		✓	Suburban/urban development (SD)		✓

Man-made/modified	L	R	Artificial/modified	L	R
Vertical/hardened	E	✓	Reinforced		
Weir			Reinforced - whole bank	✓	✓
Bridge	E	E	Reinforced - top only		
Culvert			Reinforced - toe only		
Composite			Artificial two-stage		
			Profiled		
			Embanked		✓
			Set back embankment		

BANK AND BANKSIDE FEATURES

TREES (tick one box per bank)

	Left	Right
none	○	○
Isolated/scattered	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Almost continuous	○	○
Continuous	✓	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	○	✓	○
Underwater tree roots	○	✓	○
Fallen trees	○	✓	○
Coarse woody debris	○	○	○

	None	Present	E (≥ 33%)		None	Present	E (≥ 33%)
Riffle(s)	○	○	○	Marginal deadwater	○	✓	○
Cascade(s)	○	○	○	Exposed bedrock	○	✓	○
Silt(s)	○	○	○	Exposed boulders	○	✓	○
Riffle(s)	○	○	✓	Unvegetated mid channel bar(s)	✓	○	○
Run(s)	○	○	✓	Vegetated mid channel bar(s)	✓	○	○
Pool(s)	○	✓	○	Marginal island(s)	✓	○	○
Silt(s)	○	✓	○	Unvegetated side bar(s)	○	✓	○
Rapid(s)	○	✓	○	Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): Riffle Run

HABITAT SURVEY DIMENSIONS AND LIMITATIONS

CHANNEL DIMENSIONS

LEFT BANK		Bankop width (m)	19.0	RIGHT BANK
Bankop height (m)	1.70	Water width (m)	15	Bankop height (m) 1.10
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)

If waterline lower than bankop break in deps, indicate: height (m) = 0.60 width(s) = 17.0

Bed material at site is: unconsolidated (transport) ☐ unconsolidated (fixed) ☐ bedrock ☐ other ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

OBSTRUCTIONS

None ☐ Number of: Culverts = Footbridges = ✓ Weirs = 1 Fordbridges = 1 Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MAN MADE FEATURES

None ☐ Dredging ☐ Mowing ☑ Weed cutting ☐
Embankment ☐ Other? State ..Gardening.....

WATERSIDE LAND USE

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Bridges/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☑ Fen ☐ Flush ☐

BANKSIDE TREES

Is 33% or more of the channel shaded with vegetation? NO ☑ YES ☐

ON BANK VEGETATION

None ☐ Gorse Ulex ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

ENGINEERING

Major impacts: bankfill - dipping - fence - outfall - pollution - dumping - obstruction - mill - dam - road - rail - industry - housing - subsidy - quarrying - overdeepening - inflow/outflow - fisheries management - other? =

Land Management: set aside - buffer strip - farmland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: [illegible]

MACROPHYTES

Algae* None ☐ Present ☑ Extensive ☐ Diamond Algae? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP & SITE INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7493

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 31430 River: Tooby.

Date: 3.9.96 Time: 1030 Surveyor name: P. MCHENRY Accreditation code: PF11

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state .....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

LFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ○ channel ✓ (tick as appropriate)

DOMINANT VALLEY FEATURES

✓ shallow vee ○ concave/bowl (If U-shaped glacial valley - add "U")

○ deep vee ○ symmetrical floodplain

○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | LFE : VALLEY FORM NOTES:

DOMINANT CHANNEL FEATURES

Riffles 5 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P. B. DAWSON, ITE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVERBANK SURVEY (ONE SIDE ONLY)

FAILY (nr. Rd) loc. - Riffles 11 Pools: Upstream side bank: West point bank

Spot check 1 = uppermost ✓ downstream ○

	1	2	3	4	5	6	7	8	9	10
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	BC	NO	NB	NO	NO	NO	NO	NO	NO
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	SR	RI	IR	IR	IR	IR	IR	IR	IR
Flow type *	UU	RP	RP	UU	RP	RP	RP	RP	OU	UU
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from AL, CP, OL, UR, EC, TH, GY, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	RP	HL	SU
LEFT BANK-TOP (structure within 1m) source	S	S	U	U	U	U	U	U	S	U
LEFT BANK FACE (structure) source	S	S	U	S	S	U	S	S	S	S
RIGHT BANK FACE (structure) source	S	S	S	S	C	C	S	S	S	S
RIGHT BANK-TOP (structure within 1m) source	C	C	C	U	S	C	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	TH	IG

NONE / PLANT GENERA - list item 5		✓	✓			✓	✓			
Bryophytes/lichens									✓	✓
Emerg broad-leaved herbs	✓			✓	✓	✓		✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	✓									✓
Submerged broad-leaved										
Emergent fine-leaved										
Submerged algae								✓		✓

RIVERBANK SURVEY (ONE SIDE ONLY)

9.7493

	L	R		L	R
Semi-Natural woodland (SL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OL)			Tilled land (TL)		
Meadow/Heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	✓	
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)	✓	

	L	R		L	R
Natural/semi-N bank			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial toe-stage		
			Pitched		
			Embanked		
			Set-back embankment		

TESS (tick one box per bank)

	Left	Right
None	○	○
Undercut/undercut	○	○
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	✓	○
Continuous	○	✓

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (2,3,4,5)
Shading of channel	○	○	○
Overhanging boughs	○	○	○
Exposed bankside roots	✓	○	○
Underwater tree roots	○	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	Major	Present	E
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	○	✓	○
Run(s)	○	○	✓
Bank(s)	✓	○	○
Chute(s)	✓	○	○
Pool(s)	✓	○	○

	None	Present	E (2,3,4,5)
Marginal deadwater	✓	○	○
Exposed bedrock	✓	○	○
Exposed boulders	✓	○	○
Unvegetated mid-channel bar(s)	○	✓	○
Vegetated mid-channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): Riffle Long Run

RIVERBANK SURVEY (ONE SIDE ONLY)

LEFT BANK				RIGHT BANK
Banktop height (m)	0.8	Banktop width (m)	10	Banktop height (m) 1.0
Embanked height (m)		Water width (m)		Embanked height (m)
		Water depth (m)	0.15	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (mobile) ✓ unconsolidated (loose) ○ bedrock ○

Location of measurement is: riffle ○ run or glide ○ other ○ (tick one box)

None ✓ Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Other = Fords =

Is weir impounded by weir/dam? No ✓ Yes, <33% of site ○ >33% of site ○

None ○ Dredging ○ Mowing ✓ Weed cutting ○
Embankment ○ Other? State Trees Pruning

None ○
Waterfalls > 5m high ○ Artificial open water ✓ Bog ○ Other (state)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Fleet ○

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? (Marsh Rhododendron bracken)

Major impacts: livestock - dredging - flow - outfalls - drought - channelisation - mill - dam / weir - mill leat/carry - bunding - culverting - quarrying - overdeepening - afforestation - fisheries management - siltation - other? –

Land Management: set-aside - buffer strip - broadleaf - shelterbelt land - parkland - MoD - other? –

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mute swans - heron - dragonflies/damselflies

Other significant observations:

Aliens? None ○ Present ✓ Extensive ○ Diseased Aliens? None ✓ Present ○ Extensive ○

BACKGROUND CATCHMENT INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

FIELD SURVEY DETAILS

Reference network site number: 7494

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX487153 River: MILTON BROOK

Date 4/5/1996 Time: 1800 Surveyor name: P. KENNARD Accreditation code: PFI

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

VALLEY FORM (complete cross-section)

☐ shallow vee
☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☑ deep vee
☐ symmetrical floodplain
☐ gorge
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

RIVER CHANNEL SURVEY

Riffles 11 Unvegetated point bars

Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: SUMMARY CHECKS

TALLY (use 5#) for - Riffles 11 Pools Unveg. side bars Veg point bars 1

HABITAT DIVERSITY

Spot check 1 m: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material *	EA	EA	CE	EA	EA	EA	EA	BR	EA	CO
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	RS	NO	NO
Bank features(s)	NO	SG	CB	SG	NO	NO	NO	NG	NO	NO

CHANNEL

Channel substrate *	GP	GP	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	IR	IR	FL	FL	FL	FL	FC	FL	FL	FL
Flow type *	GP	UW	NU	NU	NW	RP	NU	NU	NU	NU
Channel modification(s)	NO	RD	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NG	NG	RO	RO	NG	NO	NO	NO	NO

RIGHT BANK - FACE

Material *	EA	EA	EA	EA	EA	EA	EA	TR	FA	BA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	RS	NO	RE
Bank feature(s)	NO	NO	NO	NO	NO	NO	VS	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, MH, IC, IH, IP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SG	IG	IG	DL	BL	DL	SU	BL	SC
LEFT BANK-TOP (structure within 1m)	S	S	S	S	C	S	S	U	S	S
LEFT BANK FACE (structure)	S	B	S	S	S	S	C	U	S	S
RIGHT BANK FACE (structure)	S	S	S	C	S	C	B	B	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	S	S	B	S	U	S	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	SN	SC	SG

VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓		✓	✓	✓	✓	✓
Emerg broad-leaved herbs		✓		✓	✓				✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓						✓
Submerged broad-leaved										
Submerg fine/dissec-leaved										
Filamentous algae										

RIVER HABITAT SURVEY: SUMMARY CHECKS

SITE NO. 7494

SIDE CHANNELS

	L	R		L	R
Broadleaved/mixed woodland (BL)	☑	✓	Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Mixed/scrub/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herb / rank vegetation (TH)			Suburban/urban development (SU)	✓	✓

BANK PROFILE

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank	✓	✓
Sloping	✓	✓	Reinforced - top only		
Gentle		✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Parallel		✓
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) / ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	E (>33%)
None	☐	☐	Shading of channel	☐	☐	☑
Isolated/scattered	☐	☐	Overhanging boughs	☐	☑	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	☐	☑	☐
Occasional clumps	☐	☐	Undercutting/ tree roots	☑	☐	☐
Bank-continuous	☑	☑	Fallen trees	☑	☑	☐
Continuous	☐	☐	Channel-spanning debris	☐	☐	☐

CHANNEL FEATURES

	None	Present	E (>33%)		None	Present	E (>33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Midstream island(s)	☑	☐	☐
Side(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Point(s)	☑	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features): Riffle Run Cascade

RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND FLOW

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankop height (m)	2.10	Bankop width (m)	7.0	Bankop height (m)	0.60
Embanked height (m)		Water width (m)	2.0	Embanked height (m)	
		Water depth (m)	0.25		

If trapezium lower than bankop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☑ bedrock ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

FLOW CHARACTERISTICS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Bridges = 1 Others =

Is water impounded by weirs/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

OTHER FLOW OBSERVATIONS

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

LOCATION OF ACTIVE CHANNEL FEATURES

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☑ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

ENGINEERING

Major impacts: bankfill - dipping - flats - moorings - pollution - drought - abstraction - mill - dam - weed - mill dam/weir - bunding - culvert - quarrying - canalisation - afforestation - fisheries management - tilling - other? =

Land Management: cut-wide - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations:
Small wide fast shop stream. Top bus station + gift shop. Typical urban spoil ground. Other side = bank. House with boats. Garden + lawn section. River bed = mostly silt. Silt CP on left bank.

ENGINEERING

Aliens? None ☑ Present ☐ Extensive ☐ Diamond Aliens? None ☑ Present ☐ Extensive ☐

1 BACKGROUND AND BASIC INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

2 SURVEY DETAILS

Reference network site number: 7495

Mid-site grid reference of network site if differen from designated location:

Grid Reference: SX 5176 5 River: MEAVY

Date 9.5.1996 Time: 1130 Surveyor name: P Rennison Accreditation code: PF 11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

3 SITE DOMINANT VALLEY FORM (tick one box)

☐ shallow vee ☑ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

4 SUMMARY OF HABITAT TYPES AND DIMENSIONS

Riffles 2 Unvegetated point bars |
Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

5 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

TALLY (use 5BT) for - Riffles 111 | Pools / | Uneng. side bars | Veg. point bars

5.1 DOMINANT ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TOP										
Material	BR	EA	BR	EA	GA	EA	EA	BR	BR	DA
Bank modification(s)	RS	NO	RS	NO	NO	NO	NO	RS	RS	NO
Bank feature(s)	NO	US	NO	NO	NO	SB	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	GP	CO	GP	GP	GP	CO	CO
Substrate shape	EL	EL	CU	IR	FL	IR	IR	IR	CU	FL
Flow type	LU	LU	RF	RP	RP	LU	LU	RF	LU	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	LU	NO
Channel feature(s)	NO	RO	NO	NO	RO	NO	NO	NO	NO	NO
RIGHT BANK - TOP										
Material	GS	GA	EA	EA	EA	EA	EA	BU	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	RO	NO	NO	NO

5.2 ANCILLARY HABITAT AND RIPARIAN VEGETATION STRUCTURE

Land use: choose one from: AL, CP, OL, ARL, IC, IN, SF, IG, IL, WL, OW, WI

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MMMC	S	S	S	S	U	U	U	S	S	S
LEFT BANK FACE (structure) MMMC	S	C	S	C	S	S	S	S	S	S
RIGHT BANK FACE (structure) MMMC	S	C	S	C	S	S	S	B	S	S
RIGHT BANK-TOP (structure within 1m) MMMC	S	C	S	S	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RE	SC	RP	BL	RP	BL	BL	IG	IG	IG

5.3 ANCILLARY HABITAT AND RIPARIAN VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	E	E	✓	E	✓	E
Emerg broad-leaved herbs	E			✓		✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae	E		✓	✓	E	E	E	E	✓		E

6 SITE DOMINANT SUBSTRATE AND FEATURES

TES NO. 7495

	L	R		L	R
Broadleaved/mixed woodland (BL)	✓	E	Bank protection (BP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SD)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Sloop (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched	✓	✓
			Embanked		
			Set-back embankments		

6.1 TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (% 0.1%)
Shading of channel	☐	☐	☐
Overhanging boughs	☑	☐	☐
Exposed beatable roots	☐	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☐	☑

6.2 SITE DOMINANT FEATURES

	Major	Present	E		None	Present	E (% 0.1%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature islands(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☐	☑	☐
Pond(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (*select up to three features*):

7 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

7.1 CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Bankop height (m)	1.20	Bankop width (m)	7.0	Bankop height (m) 0.90
Embanked height (m)		Water width (m)		Embanked height (m)
		Water depth (m)	0.08	

If bankline lower than bankop bank in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

7.2 HYDROLOGICAL FEATURES

None ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

7.3 ENGINEERING OR MANAGEMENT FEATURES

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

7.4 CHANNEL MANAGEMENT

None ☑
Waterfalls > 5m high ☐ Artificial open water ☐ Bag ☐ Other (state) ...
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Fresh ☐

7.5 CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO ☐ YES ☐

7.6 BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

7.7 LAND USE AND MANAGEMENT

Major impacts: landfill - dipping - felled - sewage - pollution - drought - abstraction - infill - dam - canal - mill - fishery - boating - mining - quarrying - overshooting - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher dipper grey wagtail mud martin - horse - dragonflies/damselflies

Other significant observations: Tree lined cobbly low stony fence posts
left bank between legal land Rather well (Down Hill)

7.8 ALDERS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND/BASIN INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELDS

Reference network site number: 7498

Mid site grid reference of network site if different from designated location:

Grid Reference: SX885665 River: ALLER BROOK

Date: 8/.5/1996 Time: 1410 Surveyor name: P.HAGVILLE Accreditation code: PFIA

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☑ entirely ☐ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☐ channel ☐ (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☑ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBERS AND NOTES

Riffles 9 Unvegetated point bars

Pools 2 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
WILSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY CONDITIONS SCORE SHEET

TALLY (use BII) for - Riffles IIII | Pools II Unveg. side bars Veg point bars

A CONDITIONS ATTRIBUTES

Spot check 1 =: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if functional feature)										
Material *	EA	SA	BR	CA	EA	CA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RS	RS	RS	RS	NO	NO	PC	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GP	SA	GP	GP	GP	GP	GP	GP	GP	SA
Substrate shape	IR	SR	IR	IR	IR	IR	IR	IR	R	O
Flow type *	UW	SM	UW	SM	UW	RP	SM	SM	UW	SM
Channel modification(s)	RS	RS	CH	RS	RS	RS	RS	P	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if functional feature)										
Material *	EA	EA	BR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS		BM	BM	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m length)

Land use: choose one from BL, CP, OR, WH, IC, TH, SP, HG, FL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	TH	PL	SC	SC	SC	SG	RP	TH	TH
LEFT BANK-TOP (structure within 1m)	G	S	P	S	C	C	G	S	U	S
LEFT BANK FACE (structure)	U	S	P	B	B	B	B	U	U	B
RIGHT BANK FACE (structure)	S	U	P	T	U	U	U	S	U	S
RIGHT BANK-TOP (structure within 1m)	S	U	P	S	C	C	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SH	SH	BL	SC	SC	SC	SH	R	R	R

C PLANT FUNCTIONAL GROUPS

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY CONDITIONS SCORE SHEET

D CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Bankop height (m)	0.40	Bankop width (m)	3.50	Bankop height (m)	0.40
Embanked height (m)		Water width (m)	2.0	Embanked height (m)	
		Water depth (m)	0.06		

If trashline lower than bankop level: in steps, indicate: height (m) = width(m) =

Bed material at site is: unconsolidated (compact) ☐ unconsolidated (loose) ☐ bedrock ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

E CHANNEL ATTRIBUTES

Name ☐ Number of: Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

F CHANNEL MANAGEMENT

Name ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State .....

G CHANNEL SIDE SECTIONS

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	
Scrub (SC)	✓	✓	Open water (OW)		
Tall herb and vegetation (TH)			Suburban/urban development (SU)		E

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Recreational	E	E
Vertical - toe			Reinforced - whole bank		
Steep (45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		✓
			Profiled	✓	
			Embanked		
			Set back embankments		

H CHANNEL FEATURES

FEATURES (tick one box per bank)

	Left	Right
Weir	☐	☐
Bankside trees continuous	☐	☐
Regularly spaced, single	☐	☑
Regularly spaced, clumps	☑	☑
Other	☐	☐
Other	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

I CHANNEL SURFACES

	If None	Present	E		None	Present	E (≥ 33%)
Riffle(s)	☐	☑	☐	Marginal deadwood	☐	☐	☐
Run(s)	☐	☑	☑	Exposed bedrock	☑	☐	☐
Glide(s)	☐	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☑	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Mature inbank(s)	☑	☐	☐
Riffle(s)	☐	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Run(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features): Riffle Run.

J CHANNEL VEGETATION

In 33% or more of the channel choked with vegetation? NO ☑ YES ☐

K OVERHANGING VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

L ARTIFICIAL STRUCTURES

Major impacts - bankfill - dipping - (dams) - sewage - pollution - dumping - (bridges) - (pipes) - roads - (rail) - industry - housing - mines - quarrying - overdeepening - afforestation ? fisheries management - mining - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselflies

Other significant observations: [illegible]

M ALIEN PLANTS

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7499

Mid-site grid reference of network site if different from designated location:

Grid Reference: 790567 River: Hollywell Stream

Date: 2/5/1996 Time: 1640 Surveyor name: P.W. HANKLE Accreditation code: PF11

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☑ (tick as appropriate)

C. VALLEY FORM

- ☐ shallow vee
- ☑ concave/bowl (If U-shaped glacial valley - add "U")
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. SUBSTRATE/SEDIMENTS AND FEATURES

Riffles 5 — Unvegetated point bars

Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F. A. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO. 7499

E. SUBSTRATE/SEDIMENTS AND FEATURES (cont.)

	L	R		L	R
Broadleaved/mixed woodland (BL)	F	E	Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (HD)			Wetland (eg bog, marsh, fen) (WL)	✓	
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)	✓	

	L	R		L	R
Natural/semi-natural			Artificial/modified		
Vertical/undercut	F	E	Resectioned		✓
Vertical + bar			Reinforced - whole bank	✓	✓
Bare (<5%)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Enbanked		
			Set-back embankments		

F. SOIL AND LAND USE

TYPES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Crown over channel	☑	☐	☐

G. CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Pool(s)	☐	☑	☐
Chute(s)	☐	☑	☐
Poach(s)	☑	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☐	☑	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (select up to three features): 1a- run Riffle

---

5A 11

RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET

TALLY (use 5bf) for - Riffles ||||| Pools Unveg. side bars Veg point bars

Spot check 1 at: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK SECTION										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SECTION										
Channel substrate	GP	GP	GP	GP	GP	GP	SA	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	SM	IR	IR	IR
Flow type	RP	RP	RP	UU	RP	RP	RM	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK SECTION										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BANK TOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	SC	IG	IG	SC	SC	SC	SC	BL
LEFT BANK TOP (structure within 1m) MAX	C	C	C	C	S	C	S	C	C	C
LEFT BANK FACE (structure) MAX	S	S	S	S	U	U	S	U	U	U
RIGHT BANK FACE (structure) MAX	S	U	S	S	S	S	S	S	U	U
RIGHT BANK TOP (structure within 1m) MAX	C	C	C	C	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SH	SL	BL	BL	SC	SC	BL	SC	BL
PLANT SPECIES										
NONE / PLANT GENERA - list first 5	✓			✓			✓	✓	✓	✓
Bryophytes/lichens										✓
Emerg broad-leaved herbs			✓		✓	✓				✓
Emerg reeds/sedges/rushes					✓					✓
Floating-leaved (rooted)										
Free-floating					✓					
Amphibious		✓	✓		✓					✓
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY: DIMENSIONS AND MEASURES

CHANNEL DIMENSIONS

LEFT BANK		Bankfull width (m)	2.50	RIGHT BANK
Bankfull height (m)	0.6	Water width (m)	2.0	Bankfull height (m) 0.60
Enbanked height (m)		Water depth (m)	0.15	Enbanked height (m)

If bankface lower than bankfull level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ (tick one box)

OBSTRUCTIONS

Name ☐ Number of Culverts = Footbridges = Weirs = Roadbridges = 1 Outfalls = Other = Fords =

Is water impounded by weirdam? No ☐ Yes, <33% of site ☐ >33% of site ☐

ARTIFICIAL RECTIFICATION

Name ☑ Dredging ☐ Mowing ☐ Weed cutting ☐ Enhancement ☐ Other? Date:

DEPOSITS AND EROSION

Name ☐ Waterfalls > 5m high ☐ Braided/side channels ☐ Debris dams ☐ Leafy debris ☐ Artificial open water ☑ Natural open water ☐ Water meadow ☐ Fen ☑ Bog ☐ Other (state) Carr ☑ a bit damp Marsh ☐ Fluvio ☐

CROPPED PLANTS

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

Name ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

MANAGEMENT

Major impacts: bankfill - dipping - flow - outrage - pollution - drought - obstruction - mill - dam - weed - soil dichotomy - bunding - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed warbler - heron - dragonfly/damselflies

Other significant observations: Moderately overgrown, Blackthorn, Bramble, fishing hides right bank. Low water through Willows can still settle gravels. 2m high Cereal fields.

ARTIFICIAL FEATURES

Aliens? None ☑ Present ☐ Extensive ☐ Diseased Aliens? None ☑ Present ☐ Extensive ☐

1994 RIVER HABITAT SURVEY

1. BACKGROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

2. FIELD SURVEY DETAILS

Reference network site number: 7502

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 012510 River: ST ANSTELL

Date 31/4/1996 Time: 12:00 Surveyor name P Henville Accreditation code. PH1

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

3. PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow v-shaped valley

☐ coves/bowl *(If U-shaped glacial valley - add "U")*

☐ deep v-shaped valley

☑ symmetrical floodplain

☐ gorge

☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

4. NUMBER OF RIFFLES, POOLS AND POINT BARS *(indicate number of each)*

Riffles 5 — Unvegetated point bars

Pools — Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO JAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1994 RIVER HABITAT SURVEY CONTINUOUS CHECKS

TALLY (use ||||) for · Riffles |||| · Pools · Unveg. side bars · Veg point bars

1. CONTINUOUS ATTRIBUTES *(to be assessed every 10m (measured) on the left bank)*

Spot check 1 is upstream ✓ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	SP	CC	BU	GA	CC	EA	EA	EA	EA
Bank modification(s)	RS	RI	RI	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	EL	IR	IR	IR	CU	EL	EL	IR	CU	CU
Flow type	RP	UW	RP	UW	RP	RP	UW	UW	RP	UW
Channel modification(s)	RS	CV	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	GA	SP	CC	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RI	RI	RS	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM	RS/EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

2. BANKTOP LAND USE AND VEGETATION STRUCTURE *(to be assessed within a 10m x 50m channel)*

Land use: choose one from BL, CP, OR, MH, EC, IN, RP, AG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	S	SU	SU	SU	SU	SU	SU	FH	TH
LEFT BANK-TOP *(structure within 1m)*	U	B	S	S	S	U	S	U	S	U
LEFT BANK FACE *(structure)*	U	B	B	S	G	B	S	S	S	S
RIGHT BANK FACE *(structure)*	S	B	B	S	S	U	S	S	U	U
RIGHT BANK-TOP *(structure within 1m)*	U	B	U	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	U	SU	TH	RC	RC	RC	SU	BL	IG

3. CANOPY AND VEGETATION TYPES *(to be assessed within a 10m x 50m channel)*

NONE / PLANT GENERA - list first 5		✓								
Bryophytes/lichens	✓			✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓		✓		✓		✓			✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

TE NO. 7502

1994 RIVER HABITAT SURVEY SURVEY DETAILS

4. LAND USE WITHIN 50m OF BANKTOP *(tick all that apply)*

	L	R		L	R
Broadleaf/mixed woodland (BL)		✓	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)		
Scrub/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)	✓		Open water (OW)		
Rough/"herbs" weed vegetation (TH)	✓	✓	Suburban/urban development (SU)	✓	

5. BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	✓	✓
ol + ton			Reinforced - whole bank	✓	✓
(>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		✓
			Set back embankments		

6. FEATURES OF BANK AND BANKTOP

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	✓	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	✓	☐
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	✓	☐	☐
Fallen trees	✓	☐	☐
Crown woody debris	✓	☐	☐

7. FEATURES OF CHANNEL AND BANKTOP

	None	Present	E
Waterfall(s)	✓	☐	☐
Cascade(s)	✓	☐	☐
Rapid(s)	✓	☐	☐
Riffle(s)	☐	☐	☐
Run(s)	☐	☐	✓
Step(s)	✓	☐	☐
Glide(s)	✓	☐	☐
Pool(s)	✓	☐	☐

	None	Present	E (≥ 33%)
Marginal deadwater	✓	☐	☐
Exposed bedrock	✓	☐	☐
Exposed boulders	✓	☐	☐
Unvegetated mid-channel bar(s)	✓	☐	☐
Vegetated mid-channel bar(s)	✓	☐	☐
Mature island(s)	✓	☐	☐
Unvegetated side bar(s)	✓	☐	☐
Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run Riffle ...

1994 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

1. CHANNEL DIMENSIONS *(to be measured at the most representative location, preferably at a riffle)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.50	Banktop width (m)	6.75	Banktop height (m)	1.80
Embanked height (m)		Water width (m)	4.0	*Embanked height (m)*	0.80
		Water depth (m)	0.20		

If trashline lower than banktop break in slope, indicate: height (m) = 1.0 width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

2. CHANNEL NOTES

None ☐ Number of Culverts = 1 Weirs = Outfalls = 2 Pools =
Footbridges = Roadbridges = 1 Other =

Is water impounded by weir/dam? No ✓ Yes, <33% of site ☐ >33% of site ☐

3. EVIDENCE OF CHANNEL ALTERATION *(in last 10 years)*

None ✓ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? - State

4. FEATURES OF POTENTIAL INTEREST *(in channel and on banktop)*

None ☐					
Waterfalls > 5m high ☐	Artificial open water ☐		Bog ☐	Other (state)	
Braided/side channels ☐	Natural open water ☐		Carr ☐	mature wood land on right bank.	
Debris dams ☐	Water meadow ☐		Marsh ☐		
Leafy debris ☐	Fen ☐		Flush ☐		

5. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

6. INVASIVE PLANTS *(in channel and on banktop)*

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notable Rhododendron bushes

7. OVERALL MANAGEMENT

Major impacts: bank/fill - dipping - fence - mowing - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: soil amds - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Wet woodland on right bank with otterlie and prints. Severe treatment on left. Reeds throughout clay fish cribbs.

8. INVASIVE ANIMALS

Alders? None ✓ Present ☐ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

RIVER HABITAT SURVEY: SITE DETAILS

A GROUND/MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7505

Mid-site grid reference of network site if different from designated location:

Grid Reference: SX 303552 . River: SEATON.

Date 30/4/1996 Time: 12.30 Surveyor name P. HENVILLE Accreditation code. PH

Adverse conditions affecting survey? No ✓ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ✓ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ✓ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ✓ *(tick one box)*

Site surveyed from: left bank ✓ right bank ☐ channel ✓ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM *(tick one box only)*

☐ shallow vee — ✓ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☐ symmetrical floodplain

☐ gorge — ☐ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ☐ | IFE - VALLEY FORM NOTES:

D PREDOMINANT BOUNDARY FEATURES *(indicate all that apply)*

Riffles ✓ — Unvegetated point bars

Pools — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
Dr H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: CHANNEL SURVEY

SITE NO. 7505 DATE 30/4/96

A CHANNEL ATTRIBUTES

TALLY (use ||||) for - Riffles ||| Pools || Uveg. side bars | Veg point bars

Spot check 1 m upstream ✓ downstream ☐	1	2	3	4	5	6	7	8	9	10
Material *	EA	EA	EA	GR	GR	BE	BR	EA	EA	EA
Bank modification(s)	NO	NO	NO	||| NO	RE	RE	NO	NO	NO
Bank feature(s)	NO	GC	SC	NV	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GR	SA	GR	GR	GR	GR	GR	GR	SA	GR
Substrate shape	IR		IR	IR	NV	IR	IR	IR	RP	
Flow type *	UW	RP	RP	RP	RP	RP	UW	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TOP TO TOE										
Material *	EA	EA	EA	EA	EA	BR	EA	SA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RS	RS	NO	NO	NO
Bank feature(s)	NO	SC	SC	SC	NO	NO	NO	NO	CC	NO

E BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, MH, IC, TH, UP, AC, TI, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	RL	BL	BL	TH	SU	SU	TH	IG	IG
LEFT BANK-TOP (structure within 1m) BANSIC	C	C	S	S	U	S	C	S	S	S
LEFT BANK FACE (structure) BANSIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANSIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANSIC	S	C	S	C	C	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	RL	BL	RL	BL	SU	SU	SU	TH	SU

F BANKSIDE VEGETATION (Use DAFOR scale)

NONE / PLANT GENERA - list first 5		✓	✓	✓	✓			✓	✓	
Bryophytes/lichens	✓					✓	✓			✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY: CHANNEL SURVEY

SITE NO. 7505 DATE 30/4/96

B SUBSTRATE AND FEATURES OF BANKTOP AND ADJACENT LAND

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	
Scrub (SC)			Open water (OW)		
Tall herbs' rural vegetation (TH)	✓	✓	Suburban/urban development (SU)	E	E

C BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	
			Embanked		
			Set back embankments		

D CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	✓	✓
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	✓
Overhanging boughs	✓	☐	☐
Exposed bankside roots	✓	☐	☐
Underwater tree roots	☐	✓	☐
Fallen trees	☐	✓	☐
Common woody debris	☐	✓	☐

E CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	✓	☐	☐	Marginal deadwater	✓	☐	☐
Cascade(s)	✓	☐	☐	Exposed bedrock	✓	☐	☐
Rapid(s)	✓	☐	☐	Exposed boulders	✓	☐	☐
Riffle(s)	☐	✓	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	✓	Vegetated mid-channel bar(s)	☐	✓	☐
Bank(s)	✓	☐	☐	Mature island(s)	✓	☐	☐
Glide(s)	✓	☐	☐	Unvegetated side bar(s)	✓	☐	☐
Pool(s)	✓	☐	☐	Vegetated side bar(s)	✓	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle Long Run Slack Riffle

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

SITE NO. 7505 DATE 30/4/96

A CHANNEL DIMENSIONS *(to the nearest 0.1m)*

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.6	Banktop width (m)		Banktop height (m)	1.10
Embanked height (m)		Water width (m)	4.50	*Embanked height (m)*	
		Water depth (m)	0.10		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ✓ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ✓ run or glide ☐ other ☐ *(tick one box)*

B CHANNEL MODIFICATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by waterfoot? No ✓ Yes, <33% of site ☐ >33% of site ☐

C CHANNEL MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State .....

D FEATURES OF ARTIFICIAL ORIGIN

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state) .....
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ✓ YES ☐

F BANKSIDE CONIFERS (Use DAFOR scale)

None ☐ Giant Fingerweed ☐ Himalayan Balsam ☐ Japanese Knotweed ✓ Other? Nettle Rhododendron bracken

G OVERALL RIVER MANAGEMENT

Major impacts: culverting - dipping - fishing - sewage - pollution - drought - abstraction - infill - dam - road - rail - dredging - farming - mining - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: not-mide - buffer strip - headland (abandoned land) - parkland - MoD - other? = Garden to East

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselflies

Other significant observations: From top to Below Bridge Worked, on left bank area 350 m back using wet (Muddy mat) Silt Bank. Further to reclaim Garden - Right bank 16 m Left.

H OVERALL RIVER CORRIDOR

Alders? None ☐ Present ✓ Extensive ☐ Diseased Alders? None ✓ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: BACKGROUND & MAP INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

1996 RIVER HABITAT SURVEY: SITE DETAILS

Reference network site number. 7506

Mid-site grid reference of network site if different from designated location.

Grid Reference: SK 428555 River: UN NAMED

Date 19.9.1996 Time: 1500 Surveyor name: C Newsome Accreditation code: RT1

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☑ *(tick as appropriate)*

1996 DOMINANT VALLEY FORM & FLOODPLAIN

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

1996 RIVER HABITAT SURVEY: CHANNEL SUBSTRATE & FLOW TYPES

Riffles 13 Unvegetated point bars
Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
AWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use JBP) for - Riffles 13 Pools Unveg. side bars Veg point bars

Spot check 1 is: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material	FA	CC	GC	GA	EA	BS	EA	SA	CO	BR
Bank modification(s)	NO	RI	CM	RI	NO	RR	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	SB	NO
Channel substrate	CO	AR	AR	GP	GP	GP	GP	CO	GP	CO
Substrate shape	FL	FL	FL	IR	IR	IR	IR	EL	IR	EL
Flow type	UW	RP	NK	RP	RP	RP	RP	UW	RP	UW
Channel modification(s)	NO	RS	LV	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RO
RIGHT BANK (structural features)										
Material	EA	CC	CC	GA	EA	EA	EA	CA	EA	BR
Bank modification(s)	NO	RI	CM	RS	NO	NO	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

1996 RIVER HABITAT SURVEY: BANKTOP LAND USE & VEGETATION STRUCTURE

Land use: choose one from HI, CF, OR, UR, IC, TH, RP, IG, FL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	TH	RP	IG	BL	IG	IG	RP	TH	TH	SH
LEFT BANK-TOP (structure within 1m) MAN/C	S	S	IG	C	C	S	S	S	S	S
LEFT BANK FACE (structure) MAN/C	U	B	IG	C	S	S	S	U	S	S
RIGHT BANK FACE (structure) MAN/C	C	B	IG	C	U	S	C	S	S	S
RIGHT BANK-TOP (structure within 1m) MAN/C	C	B	IG	U	S	C	S	C	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SC	SH	SH	SH	SH

1996 RIVER HABITAT SURVEY: VEGETATION SPECIES

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5		✓	✓							
Bryophytes/lichens	✓				✓	✓	✓	✓	✓	E ✓
Emerg broad-leaved herbs				✓				✓		
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓						
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓				✓			✓		✓

1996 RIVER HABITAT SURVEY: SITE DETAILS

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	✓	
Arable plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Urban/ "non" vegetation (TH)	✓	✓	Suburban/urban development (SU)	E	E

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	1 2	E	Resectioned		
[illegible] + toe			Reinforced/pebble beach	E W	E W
[illegible] >40%	✓	E	Reinforced top only		
Gentle	✓	✓	Reinforced toe only		✓
Composite			Artificial (any shape)		
			Poached	✓	
			Embanked		
			Set back embankments		

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS & FLOW TYPES

LEFT BANK			RIGHT BANK	
Bankfull width (m)				
Bankfull height (m)	0 4.0	Water width (m)	2 0	Bankfull height (m) 6 0
Embanked height (m)		Water depth (m)	0 1 0	Embanked height (m)

If trapezium lower than bankfull break in slope, indicate: height (m) = 1 0 width(m) = 0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

1996 RIVER HABITAT SURVEY: CHANNEL MODIFICATIONS

None ☐ Number of Culverts = 1 Weirs = 1 Outfalls = 1 Fords = 0
Footbridges = 0 Roadbridges = 2 Other = Scaffold Pipe, Fence
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

1996 RIVER HABITAT SURVEY: CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other: None

1996 RIVER HABITAT SURVEY: FEATURES OF SPECIAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Weir pools ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

1996 RIVER HABITAT SURVEY: CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

1996 RIVER HABITAT SURVEY: NOTABLE PLANTS & INVASIVE SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle Rhododendron bushes

1996 RIVER HABITAT SURVEY: OTHER OBSERVATIONS

Major impacts: landfill - tipping - pipes - [illegible] - weir - bridge - obstruction - mill - dam - road / rail - industry - building - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mad martin - herons - dragonflies/damselflies

Other significant observations

1996 RIVER HABITAT SURVEY: BANKSIDE TREES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Undercut bank roots	☐	☑	☐
Fallen trees	☑	☐	☐

1996 RIVER HABITAT SURVEY: CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascades(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☑	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Slide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Run Riffle

1996 RIVER HABITAT SURVEY: ALDERS

Select appropriate box(es)

Alders? None Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

B. SURVEY DETAILS

Reference network site number: 7507

Mid-site grid reference of network site if different from designated location: SX539524

SITE MOVED 3400 COMPOUND NO PERMISSION/ACCESS.

Grid Reference: SK510523 River: UN NAMED

Date 30/5/1996 Time: 0850 Surveyor name P HEWILL Accreditation code. PF11

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 19 Unvegetated point bars 1
Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TALLY SPOT CHECK

TALLY (use 5bf) for - Riffles 19 Pools 111 Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES (Spot-checked every 5 channel widths)

Spot check 1 is upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *(BE,BO,CO,CB,SA,FL,CC,SC,MP,CL,MI,ZM)*	EA	EA	EA	GR	CC	CL	EA	CL	CL	CL
Bank modification(s) *(NE,NO,RS,RI,FC,BM,DA)*	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NO,EC,SC,PB,WP,SB,WI)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *(MI,BE,BO,CO,CB,SA,BE,CL,PE,AR)*	GR	SI	CL	GR	SI	GR	GR	GR	GR	GR
Substrate shape *(FL,CV,CL,SP,CO,PO,BE,Others - note)*	IR	UA	UA	RR	NA	IR	IR	IR	IR	IR
Flow type *(FT,CH,RW,UW,CF,RF,UR,SW,NF,NO)*	UW	SM	RN	RF	SM	RF	RF	RF	SM	UW
Channel modification(s) *(NE,NO,CV,RS,RI,DA,FO)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) *(MI,NO,BO,MB,WB,MI,IS)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *(BE,BO,CB,CL,EA,PE,CL,CC,SP,WP,GV,BE,SH)*	EA	CL	CL	CL	CL	EA	CL	CL	EA	CL
Bank modification(s) *(NE,NO,RS,RI,FC,BM,DA)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) *(NO,EC,SC,PB,WP,SB,WI)*	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E. LAND USE AND VEGETATION STRUCTURE

Land use: choose one from (BL, CF, OR, MH, SC, TH, RP, IG, IL, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP *(structure within 1m)* BA/B/C	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE *(structure)* BA/B/C	U	S	U	S	U	S	U	U	U	U
RIGHT BANK FACE *(structure)* BA/B/C	S	S	S	S	S	S	U	U	U	U
RIGHT BANK-TOP *(structure within 1m)* BA/B/C	C	C	S	C	S	S	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	TH	SC	TH	IG	IG	IG	T	IG

F. MANNING VEGETATION TYPES

NONE / PLANT GENERA - list first 5				✓						✓
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	✓			✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes					✓					✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae	✓									✓

SITE NO. 7507 — 1996 RIVER HABITAT SURVEY: FIELD SKETCH

G. LANDUSE WITHIN 50m OF PATROL (Sketch)

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		B
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herbs' rural vegetation (TH)	✓	✓	Suburban/urban development (SU)		

H. BANK PROFILE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Recurved	✓	
Vertical + toe			Reinforced - whole bank		
Sloop (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Enbanked		
			Set-back embankment		

I. BANK AND CHANNEL FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	✓	
Isolated/scattered		
Regularly spaced, single		
Occasional clumps		
Semi-continuous	✓	
Continuous		

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel		✓	
Overhanging boughs	✓		
Exposed bankside roots	✓		
Underwater tree roots	✓		
Fallen trees	✓		
Causes woody debris	✓		

J. CHANNEL FEATURES

	None	Present	E (≥ 33%)
Waterfall(s)	✓		
Cascade(s)		✓	
Rapid(s)	✓		
Riffle(s)			✓
Run(s)			✓
Bank(s)	✓		
Glide(s)		✓	
Pool(s)		✓	

	None	Present	E (≥ 33%)
Marginal deadwater		✓	
Exposed bedrock	✓		
Exposed boulders	✓		
Unvegetated mid channel bar(s)	✓		
Vegetated mid channel bar(s)	✓		
Mature island(s)	✓		
Unvegetated side bar(s)	✓		
Vegetated side bar(s)	✓		

Indicate predominant flow sequence *(select up to three features)*: Riffle Run Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

K. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	1.0	Banktop width (m)	2.50	Banktop height (m) 1.0
Embanked height (m)		Water width (m)	2.0	*Embanked height (m)*
		Water depth (m)	0.05	

If trashline lower than banktop break in slope, indicate: height (m) = 0 P width(m) = 2.0

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☐ other ☐ *(tick one box)*

L. ARTIFICIAL STRUCTURES

None ☐ Number of Culverts = \ Weirs = Outfalls = Fords =
Footbridges = \ Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☑ >33% of site ☐

M. EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

N. FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Flush ☐	

O. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P. NOTABLE PLANTS

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nonic Rhododendron ponticum

Q. DYNAMIC FEATURES

Major impacts: landfill - dipping - fence - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small farm muddy left bank - a few willow + post
muddy some compacted with low shelf SO = the steep L SM = all SI
Upstream meander with riffles + silt outside bends.

R. RIPARIAN TREES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DATA

Reference network site number. 7510

Mid-site grid reference of network site if different from designated location.

Grid Reference: SX 807667 River: HARBOURNE

Date 7/5/1996 Time: 1715 Surveyor name P HAWKINS Accreditation code FF11

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☒ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☐ channel ☐ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick one box only)

- ☐ shallow vee
- ☑ concave/bowl *(If U-shaped glacial valley - add 'U')*
- ☐ deep vee
- ☐ symmetrical floodplain
- ☐ gorge
- ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate if estimated)

Riffles 0 Unvegetated point bars 1

Pools 1 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
LAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use 'III') for - Riffles 1 Pools 1 Unveg. side bars Veg point bars 1

1. PHYSICAL ATTRIBUTES (to be assessed across Channel = 4m (reach) or 2m (site))

Spot check 1 is: upstream ☐ or downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	NO	NO	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate *	CO	GP	BE	CO	SI	BO	CO	GP	CO	UW
Substrate shape	EL	IR	IR	FL	NA	FL	FL	IR	IR	NA
Flow type *	LP	RP	RP	RP	NP	UW	RP	RP	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material *	EA	EA	EA	EA	EA	RR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

2. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from IA, CP, OR, WH, SC, TH, RP, IG, IL, ML, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	TH	TH	BL	TH	IG	BL	TH	SC
LEFT BANK-TOP *(structure within 1m)*	U	U	U	U	S	U	U	S	S	C
LEFT BANK FACE *(structure)*	U	U	S	U	S	U	S	S	S	S
RIGHT BANK FACE *(structure)*	S	S	S	S	S	S	U	S	U	S
RIGHT BANK-TOP *(structure within 1m)*	S	S	S	U	U	S	U	U	U	C
LAND USE WITHIN 5m OF BANK TOP (R)	PL	BL	BL	TH	IG	SC	IG	IG	IG	IG

3. VEGETATION TYPES (within 1m of water's edge)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens				✓					✓	✓
Emerg broad-leaved herbs	✓	✓		✓			✓	✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	✓	✓	✓	✓	✓	✓	✓	✓

NO. 7510 1996 RIVER HABITAT SURVEY: SPOT CHECKS

4. LAND USE WITHIN 50m OF SURVEY REACH

	L	R		L	R
Broadleaf/mixed woodland (BL)	R	E	Rough pasture (RP)		
...rous plantation (CP)			Improved/semi-improved grass (IG)	E	E
...d (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
...rbs' rank vegetation (TH)	✓	✓	Suburban/urban development (SU)		

5. BANK TOP/CANOPY FEATURES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	C	Reactioned		
...t < sec			Reinforced - whole bank	✓	✓
...> 45)	E	E	Reinforced - top only		
Grade	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pooched		
			Embanked		
			Set-back embankments		

6. CHANNEL AND BANK FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☐

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

7. CHANNEL FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal dead-water	☐	☑	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☑	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

8. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK
Banktop height (m)	0.7C	Banktop width (m)	12.0	Banktop height (m) 0.90
Embanked height (m)		Water width (m)	11.0	Embanked height (m)
		Water depth (m)	0.22	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

9. ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = 1 Roadbridges = Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

10. RIPARIAN ZONE AND MANAGEMENT

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

11. FEATURES OF ECOLOGICAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

12. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

13. EXOTIC PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

14. OTHER MANAGEMENTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - subsidy - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Stone

15. ALDERS

Alders? None ☐ Present ☐ Extensive ☑ Diseased Alders? None ☑ Present ☐ Extensive ☐

1996 RIVER HABITAT SURVEY: SURVEY DETAILS & BACKGROUND MAP-BASED INFORMATION

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B SURVEY DETAILS

Reference network site number: 7511

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 650433 River: TEHIDY STREAM

Date: 2.1.96 Time: 1425 Surveyor name: P HEWITT Accreditation code: PF11

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state*

Bed of river visible? No ☑ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☐ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☐ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (whole site)

Riffles 1 | Unvegetated point bars

Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use JBR) for: Riffles | | | | Page 2 of 4

QUALITY/SEAL ATTRIBUTES (to be assessed across channel within 0.1 x wide transect)

Spot check 1 a: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if assessed)										
Material	BL	EA	EA	UP	EA	EA	EA	BR	EA	EA
Bank modification(s)	RI	NO	NO	RS	NO	NO	NO	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	CO	SI	GP	GP	GP	GP	CO	GP	GP
Substrate shape	IR	EA	NA	IR	IR	IR	IR	EL	EL	IR
Flow type	RP	RP	NP	UP	SM	UW	UW	SM	UW	UW
Channel modification(s)	RS	RS	NO	RS	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if assessed)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	BR	EA	EA	EA	EA	EA	EA	BL	BL	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	RJ	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: BL, CF, OR, MR, SC, TH, RP, IG, TL, WL, UW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	BL	SU	RP	RP	RI	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BANKSIDE	U	U	C	B	S	U	S	S	S	C
LEFT BANK FACE (structure) BANKSIDE	U	U	U	B	S	U	—	B	U	U
RIGHT BANK FACE (structure) BANKSIDE	C	S	S	S	—	S	S	B	S	U
RIGHT BANK-TOP (structure within 1m) BANKSIDE	C	C	C	C	S	C	C	S	—	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	RI	RI	SC	TL	IG	SC

F BANKTOP AND ADJACENT VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5			✓							
Bryophytes/lichens	✓									
Emerg broad-leaved herbs		✓				✓				
Emerg reed/sedge/rushes			✓	✓	✓					
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										✓
Submerg fine/linear-leaved										
Filamentous algae		E		↑	✓		✓	✓	✓	✓

SITE NO. 7511 1996 RIVER HABITAT SURVEY: SPOT CHECKS Page 3 of 4

G LAND USE WITHIN 50m OF BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)	✓	✓	Open water (OW)		
Tall herbs* - exot vegetation (TH)			Suburban/urban development (SU)	E	E

H BANKSIDE MODIFICATIONS (tick all that apply)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	✓	Reinforced	✓	✓
Vertical + toe			Reinforced - whole bank	✓	✓
Slump (>45°)		✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched	✓	
			Embanked		
			Set-back embankments		

I FRONT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☑	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Undercover tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

J INSTREAM FEATURES AND ASSOCIATED FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☐	☑
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☑	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid channel bar(s)	☑	☐	☐
Vegetated mid channel bar(s)	☑	☐	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☑	☐	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Run

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1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

K CHANNEL DIMENSIONS (to be assessed at one site on a gently meandering section of representative planform)

LEFT BANK		Bankfull width (m)	1.80	RIGHT BANK	
Bankfull height (m)	c. 60	Water width (m)	1.70	Bankfull height (m)	1.70
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trashline lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

L ANTHROPOGENIC FEATURES

None ☐ Number of Culverts = Footbridges = 3 Weirs = Roadbridges = 1 Outfalls = Other = Fords =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

M EVIDENCE OF RECENT MANAGEMENT ACTIVITIES

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State: Country Pub

N FEATURES OF ADJACENT INTEREST

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☑
Leafy debris	☐	Fen	☐	Flush	☐

O CHOKED REACHES

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

P NOTABLE PLANT SPECIES (tick all that apply)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nettle Rhododendron bracken

Q OVERALL IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Small stony low reaction through, mainly part Plain with part thru wet area. Also 2 small lakes below front spot. Above spot for with the pond. Lots upstream + within overgrown with blackthorn & Bramble...

R SPECIES

Alders* None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7512

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 790430 River: CALENICK STREAM

Date: 3/9/1996 Time: 1740 Surveyor name: [redacted] Accreditation code: PE11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

LFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM

☑ shallow vee ☐ coocave/bowl *(If U-shaped glacial valley add "U")*

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | LFE - VALLEY FORM NOTES:

NUMBER OF POOLS AND RIFFLES

Riffles 6 Unvegetated point bars

Pools 2 Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO JAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET 1 of 2

TALLY (use ftf) for - Riffles 1111 | Pools 11 | Unveg. side bars | Veg point bars

A. PHYSICAL ATTRIBUTES

Spot check 1 at: upstream ☑ downstream ☐

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICK										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	KA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - STICK										
Channel substrate *	CO	CO	CO	CO	GP	GP	CL	SI	GP	SA
Substrate shape	EL	EL	FL	EL	IR	NA	NA	NA	NA	NA
Flow type *	UW	UW	RP	UW	RP	sm	sm	sm	sm	sm
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - STICK										
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, WH, SC, TH, RP, RG, IU, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP *(structure within 1m)* B/U/S/C	S	S	S	S	S	S	S	U	U	S
LEFT BANK FACE *(structure)* B/U/S/C	S	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE *(structure)* B/U/S/C	S	S	U	S	U	S	S	U	U	S
RIGHT BANK-TOP *(structure within 1m)* B/U/S/C	U	S	S	S	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	RP	BL	BL	BL	SC	SC	BL	RP	BL

C. CHANNEL VEGETATION STRUCTURE

NONE / PLANT GENERA - list first 5	✓		✓	✓	✓	✓		✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs		✓					✓		✓	
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: CHANNEL SURVEY SHEET 2 of 2

D. LAND USE WITHIN 50m OF TOP OF BANK (tick one box per parallel)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	E	Rough pasture (RP)	✓	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Upland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)	E	E	Open water (OW)		
Suburban/ urban vegetation (TH)			Suburban/urban development (SU)		✓

E. CHANNEL MODIFICATIONS

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/hardcrete	E	E	Resectioned		
Gabion			Reinforced - whole bank		
Revetment (>45°)	✓	✓	Reinforced - top only		
Groynes			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

F. EXTENT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☐
Continuous	☐	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☐	☑	☐

G. EXTENT OF FEATURES IN CHANNEL

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☑	☐	☐
Cascade(s)	☐	☑	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☑	☐	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Chute(s)	☐	☑	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Run, Riffle, Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	0.50	Bankfull width (m)	1.40	Banktop height (m)	0.40
Embanked height (m)		Water width (m)	1.20	Embanked height (m)	
		Water depth (m)	0.50		

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

B. ARTIFICIAL FEATURES

None ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

C. RIVER CHANNEL MANAGEMENT

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State

D. FEATURES OF ECOLOGICAL INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☑ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☐ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. BANKSIDE VEGETATION

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

G. OVERALL IMPACTS

Major impacts: bankfill - dipping - groyne - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - waterski - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland (abandoned land) - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Many over grown with willow and blackthorn bolstered with bikes. Boggy area + left bank with willows, Dense [illegible] left bank. [illegible] Some Cattle treading on [illegible]

H. FISH

Anglers' Notice ☑ Present ☐ Extensive ☐ Diamond Anglers' Notice ☑ Present ☐ Extensive ☐

Many riffles

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: 7513.

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW.871471. River: TRESILIAN RIVER

Date 1.5.1996 Time: 1420 Surveyor name: P.HENHAM Accreditation code: PF11

Adverse conditions affecting survey? No ☐ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☐ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (see also Section 2)

☐ shallow vee — ☐ concave/bowl *(If U-shaped glacial valley - add "U")*

☐ deep vee — ☒ symmetrical floodplain

☐ gorge — ☑ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (within 50m reach)

Riffles 10 — Unvegetated point bars

Pools 1 — Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
IF DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY (SHORT FORM) — SHEET 1

TALLY (use DAY) for Riffles 4 Pools 1 Unveg. side bars 1 Veg point bars 1

E. PHYSICAL ATTRIBUTES (measured across channel unless otherwise stated)

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
LEFT BANK (looking downstream)										
Material *	GL	EA	EA	EN	EA	EA	EA	EA	GS	EA
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	SC	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GP	SP	GP	GP	GP	SP	CO	GP	SP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	FL	IR	IR	IR
Flow type *	RP	UN	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	RS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (looking downstream)										
Material *	BL	EA	EA	EA	EA	CL	EA	EA	EA	EA
Bank modifications(s)	RK	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SC	NO	SC	NO	NO	NO

F. BANK-TOP LAND USE AND VEGETATION STRUCTURE (in 5m squares down a 10m wide transect)

Land use: choose one from: BL, CP, OR, UR, SC, TH, RP, IG, TI, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	PL	R	SC	SC	TH	IG	IG	IG
LEFT BANK-TOP (structure within 1m) MAN-MADE	U	S	S	S	S	C	U	C	S	C
LEFT BANK FACE (structure) MAN-MADE	B	S	U	S	S	S	U	S	S	S
RIGHT BANK FACE (structure) MAN-MADE	B	S	S	B	S	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) MAN-MADE	U	C	S	S	U	B	U	U	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SU	IG	IG	IG	IG

G. CHANNEL VEGETATION TYPES (Plant Genera)

NONE / PLANT GENERA - list first 5	✓	✓	✓							
Bryophytes/lichens				✓						
Emerg broad-leaved herbs							✓	✓		✓
Emerg reeds/sedges/rushes					✓	✓	✓			✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae								✓		✓

RIVER HABITAT SURVEY (SHORT FORM) — SHEET 2

SITE NO. 7513

H. SURROUNDING LAND USE (within 50m of top of bank on both sides)

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	—		Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SU)		✓

I. BANK MATERIAL AND STRUCTURE

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Revetment		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)			Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J. CONTINUITY AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☑	☑
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

K. CHANNEL FEATURES

	None	Present	E
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐		☑
Run(s)			☑
Bank(s)		☑	☐
Glide(s)	☑	☐	☐
Pool(s)	☐	☑	☐

	None	Present	E (≥ 33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☐	☑	☐
Exposed boulders		☑	☐
Unvegetated mid-channel bar(s)	☑	☐	☐
Vegetated mid-channel bar(s)		☑	☐
Mature island(s)	☑	☐	☐
Unvegetated side bar(s)	☐	☑	☐
Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): R/P

RIVER HABITAT SURVEY (DIMENSIONS AND INFLUENCES)

A. CHANNEL DIMENSIONS (measured at a representative riffle cross-section)

LEFT BANK		Bankfull width (m)		RIGHT BANK
Banktop height (m)	0.95	Water width (m)	6.60	Banktop height (m) 1.0
Embanked height (m)		Water depth (m)	0.18	Embanked height (m)

If trashline/ lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B. CHANNEL MODIFICATIONS

None ☐ Number of: Culverts = Weirs = 1 Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C. EVIDENCE OF RECENT MANAGEMENT ACTIVITY

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ? Other ? State

D. FEATURES OF SPECIAL INTEREST

None ☑

Waterfalls > 5m high ☐	Artificial open water ☐	Bog ☐	Other (state)
Braided/side channels ☐	Natural open water ☐	Carr ☐	
Debris dams ☐	Water meadow ☐	Marsh ☐	
Leafy debris ☐	Fen ☐	Fluvit ☐	

E. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F. OTHER INFLUENCES (within 50m of top of bank on both sides)

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mattic Rhododendron bracken

G. OVERALL RIVER ATTRIBUTES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - other? = with Pipe crossing at Mill Court.

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: SW site construction of pump station on right. Gravelly riffle. Depth = 0.18m.

H. NOTABLE PLANTS (see separate list)

Aliens? None ☐ Present ☑ Extensive ☐ Diseased Aliens? None ☑ Present ☐ Extensive ☐

1994 RIVER HABITAT SURVEY: BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source(m) | Water Quality Class

FIELDSURVEYOR DATA

Reference network site number: 7515

Mid-site grid reference of network site if different from designated location:

Grid Reference: ~~SX~~ SX 687490 River: RIVER AXE

Date: 8/5/1996 Time: 1000 Surveyor name: HEADLEY Accreditation code: [illegible]

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state*

Bed of river visible? No ☐ partially ☒ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☒ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☒ channel ☑ *(tick as appropriate)*

DOMINANT VALLEY PROFILE (tick one box only)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☒ Yes ☐ | IFE - VALLEY FORM NOTES:

NUMBER OF FEATURES RECORDED AND ON PHOTOGRAPHS

Riffles 29 | Unvegetated point bars
Pools | Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1994 RIVER HABITAT SURVEY: SPOT CHECKS

TALLY (use JBI) for - Riffles [illegible] Pools | Unveg side bars | Veg point bars ?

A. PHYSICAL ATTRIBUTES (to be surveyed between 20 metres upstream and 10 metres downstream of each spot check)

Spot check 1 is upstream ☑ downstream ☐	1	2	3	4	5	6	57.3	8	9	10
LEFT BANK - BANK STRUCTURE										
Material *	EA	EA	EA	EA	EA	EA	BR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - BED STRUCTURE										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	FL	FL	IR	FL
Flow type *	UW	RP	RP	UW	RP	RP	RS	GW	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - BANK STRUCTURE (functional zones)										
Material *		EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)			VP	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide corridor)

Land use: choose one from BL, CP, OR, MR, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	SC	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BA/S/C	C	C	C	C	C	C	C	C	C	S
LEFT BANK FACE (structure) BA/S/C	S	S	S	S	C	S	S	S	U	S
RIGHT BANK FACE (structure) BA/S/C	S	S	S	S	C	S	S	B	S	S
RIGHT BANK-TOP (structure within 1m) BA/S/C	S	U	S	S	C	U	C	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	IG	TH	SC	TH	SC	TH	TH	SC

C. BANKTOP VEGETATION (Cover 10m wide corridor)

NONE / PLANT GENERA - list first 5					✓					
Bryophytes/lichens										
Emerg broad-leaved herbs	✓	E	✓	✓		✓	✓		✓	✓
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious								✓	✓	✓
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1994 RIVER HABITAT SURVEY: SOUNDS WITHIN 50m OF BANKTOP (tick all that apply)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	E	E
Arable and horticulture (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Orchard/ rank vegetation (TH)		✓	Suburban/urban development (SU)		

1994 RIVER HABITAT SURVEY: BANK PROFILE (tick all that apply)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	✓	✓	Reactioned		
[illegible] + toe	✓	✓	Reinforced - whole bank	✓	
[illegible] (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		✓
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

1994 RIVER HABITAT SURVEY: AMOUNT OF TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☒	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☑	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

1994 RIVER HABITAT SURVEY: AMOUNT OF INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Marginal dead-water	☑	☐	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid channel bar(s)	☑	☐	☐
Bed(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☐	☑	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence *(select up to three features)*: Riffle Run

1994 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES

D. CHANNEL DIMENSIONS (to be measured at each spot check cross section)

LEFT BANK		Bankfull width (m)	2.50	RIGHT BANK
Bankfull height (m)	1.10	Water width (m)	1.25	Bankfull height (m)
Embanked height (m)		Water depth (m)	0.08	Embanked height (m)

If trampling lower than bankfull break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

E. ANTHROPOGENIC ALTERATIONS (to be recorded over a 50m wide corridor)

None ☐ Number of Culverts = 1 Weirs = 3 Outfalls = 1 Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

F. EVIDENCE OF RECENT MANAGEMENT (to be recorded over a 50m wide corridor)

None ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State

G. FEATURES OF RECENT ALTERATIONS (to be recorded over a 50m wide corridor)

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☐ Other (state)
Braided/side channels ☐ Natural open water ☐ Carr ☐
Debris dams ☑ Water meadow ☐ Marsh ☐
Leafy debris ☐ Fen ☐ Flush ☐

H. CHOKED CHANNEL (to be recorded over a 50m wide corridor)

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

I. NOTABLE PLANTS (to be recorded over a 50m wide corridor)

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Nordic Rhododendron bracteatum

J. OTHER OBSERVATIONS (to be recorded over a 50m wide corridor)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Very overgrown with trees (Rhododendron bracteatum) [illegible] Bank with tree roots [illegible] Small weirs below riffles Bank with [illegible]

K. ALDERS (to be recorded over a 50m wide corridor)

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

B FIELD SURVEY DETAILS

Reference network site number: 7516.

Mid-site grid reference of network site if different from designated location:

Grid Reference: Un 1 SK 726443 River: KN NAMED.

Date 8.1.5.1996 Time: 12.00 Surveyor name P HENVILLE Accreditation code. PH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☑ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☐ channel ☑ *(tick as appropriate)*

C PREDOMINANT VALLEY FORM (tick one box)

- ☐ shallow vee
- ☐ deep vee
- ☐ gorge
- ☑ concave/bowl *(If U-shaped glacial valley add "U")*
- ☐ symmetrical floodplain
- ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 16 Unvegetated point bars 2

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECK

TALLY (use ||||) for - Riffles ||||-||||-|| Pools Unveg. side bars Veg point bars |

A SPOT CHECK ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☑	1	2	3	4	5	6	7	8	9	10
BANKTOP & LAND USE										
Material *	EA	EA	CL	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate *	GP	GP	GP	GP	GP	GP	GP	GP	GP	SI
Substrate: shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	
Flow type *	UN	RF	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK & BANKTOP (tick if sections timed)	✓									
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, HA, IC, TH, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SC	TH	TH	TH	BL	SC	BL	BL	RL
LEFT BANK-TOP (structure within 1m)	C	U	U	U	C	S	C	S	S	U
LEFT BANK FACE (structure)	S	U	S	S	S	U	U	S	U	B
RIGHT BANK FACE (structure)	U	U	S	U	S	U	U	S	U	B
RIGHT BANK-TOP (structure within 1m)	S	C	S	S	C	S	S	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	TH	SC	BL	BL	BL	TL	TL	TH	TH	BL

C BANKTOP VEGETATION

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓									
Emerg broad-leaved herbs					✓		✓	✓	✓	✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious				✓						
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓						✓		

1996 RIVER HABITAT SURVEY: DIMENSIONS AND LANDFORMS

SITE NO. 7516

A CHANNEL DIMENSIONS

LEFT BANK		Banktop width (m)	2.10	RIGHT BANK	
Banktop height (m)	0.30	Water width (m)	1.75	Banktop height (m)	0.30
Embanked height (m)		Water depth (m)	0.10	*Embanked height (m)*	

If trashline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

B CROSS-SECTION FEATURES

Name ☑ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

C WATERSIDE MANAGEMENT

Name ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State: .....

D CHANNEL SURFACES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☑	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☐	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐

E FLOOD PLAIN

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

F NOTABLE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Mostly Rhododendron bushes

G ALTERATIONS AND MANAGEMENT

Major impacts: land-fill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: One small stream - LH right bank culverted
Rare species: Pond in right bank - LH typha noted.

H ALGAE

Algae? None ☐ Present ☑ Extensive ☐ Diatom? None ☐ Present ☑ Extensive ☐

1996 RIVER HABITAT SURVEY: DIMENSIONS AND LANDFORMS

SITE NO. 7516

A LANDFORMS

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Meadland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		✓
Tall herbs* and vegetation (TH)	✓	✓	Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + ton	✓	✓	Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

B TREES AND ASSOCIATED FEATURES

TREES *(tick one box per bank)*

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES *(tick one box per feature)*

	None	Present	E (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

C INSTREAM FEATURES

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☐	☑	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☐	☑	Vegetated mid-channel bar(s)	☑	☐	☐
Boil(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (*select up to three features*): Riffle Run

RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

SURVEY IDENTIFICATION

Reference network site number: 7517

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 4 19 730. River: DRIFT

Date: 2.5./1996 Time: 11:00 Surveyor name: P HENVILLE Accreditation code: PH11

Adverse conditions affecting survey? No ✓ Yes ○ If yes, state ....

Bed of river visible? No ○ partially ○ entirely ✓ (tick one box)

IFE single photograph: general character? No ○ Yes ✓ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ✓ Yes ○ (tick one box)

Site surveyed from: left bank ✓ right bank ✓ channel ○ (tick as appropriate)

PREDOMINANT VALLEY FORM

○ shallow vee ○ concave/bowl (If U-shaped glacial valley - add 'U')
○ deep vee ○ symmetrical floodplain
○ gorge ○ asymmetrical floodplain

Terraced valley floor? No ✓ Yes ○ | IFE - VALLEY FORM NOTES:

SURVEY SUMMARY

Riffles 5 Unvegetated point bars 0
Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY

TALLY (use ||||) for - Riffles 1111 Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES

Spot check 1 in: upstream ✓ downstream ○

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	FC	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	RP	LW	RP	RP	RP	RP	SH	ER	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND COVER AND USE WITHIN RIPARIAN ZONE AND NAVIGATION STRUCTURES

Land use: choose one from: BL, CP, OR, HM, SC, IN, ST, HO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SC	IG	RP	SC	SC	RP	IG	IG	IG
LEFT BANK-TOP (structure within 1m) m/m/c	U	S	U	U	S	S	S	S	C	U
LEFT BANK FACE (structure) m/m/c	S	S	S	S	S	S	S	M	U	S
RIGHT BANK FACE (structure) m/m/c	S	S	C	C	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) m/m/c	S	C	U	U	S	U	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	IG	IG	IG	IG	IG	IG	IG	IG

VEGETATION ZONES

NONE / PLANT GENERA - list first 5										
Bryophytes/ferns		✓	✓	✓	✓	✓	✓		✓	✓
Emerg broad-leaved herbs	E	✓	✓	E	E	✓	✓	E	E	E
Emerg reeds/sedges/rushes	✓			✓						✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓		✓	✓			✓	E	✓	✓

TE NO. 7517

RIVER HABITAT SURVEY

CHANNEL SUBSTRATE AND VEGETATION

	L	R		L	R
Bedrock/fixed weathered (BL)			Rough pasture (RP)	✓	✓
Airborne phanerophytes (CP)			Improved/semi-improved grass (IG)	E	E
Sand (SR)			Tilled land (TL)		
Mud/silt/clay (MM)	✓		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	✓	Open water (OW)		
Herbs' and sapperation (TH)			Suburban/urban development (SU)		

BANK PROFILE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Resectioned		
ail + toe			Reinforced - whole bank		
(>45°)	E	E	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Eroding/cut		
			Set back embankments		

INSTREAM FEATURES

TREES (tick one box per bank)

	Left	Right
None	○	○
Isolated/scattered	✓	✓
Regularly spaced, single	○	○
Occasional clumps	○	○
Semi-continuous	○	○
Continuous	○	○

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	○	✓	○
Overhanging boughs	○	✓	○
Exposed bankside roots	✓	○	○
Underwater tree roots	✓	○	○
Fallen trees	✓	○	○
Coarse woody debris	✓	○	○

	None	Present	E (≥ 33%)
Waterfall(s)	✓	○	○
Cascade(s)	✓	○	○
Rapid(s)	✓	○	○
Riffle(s)	○	✓	○
Pool(s)	○	○	✓
Pool(s)	○	✓	○
Pool(s)	✓	○	○

	None	Present	E (≥ 33%)
Marginal deadwater	○	○	○
Exposed bedrock	✓	○	○
Exposed boulders	○	✓	○
Unvegetated mid channel bar(s)	✓	○	○
Vegetated mid channel bar(s)	✓	○	○
Mature island(s)	✓	○	○
Unvegetated side bar(s)	✓	○	○
Vegetated side bar(s)	✓	○	○

Indicate predominant flow sequence (select up to three features): Run Glide

RIVER HABITAT SURVEY

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK	
Banktop height (m)	0.90	Bankfull width (m)		Banktop height (m) 1.40
Embanked height (m)		Water width (m)	1.50	Embanked height (m)
		Water depth (m)	0.20	

If trashlines lower than banktop break in steps, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ○ unconsolidated (loose) ○ unknown ○

Location of measurement is: riffle ○ run or glide ✓ other ○ (tick one box)

ARTIFICIAL FEATURES

None ✓ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weir/dam? No ○ Yes, <33% of site ○ >33% of site ○

RIPARIAN MANAGEMENT

None ✓ Dredging ○ Mowing ○ Weed cutting ○
Embankment ○ Other ? State .....

RIPARIAN LAND USE

None ✓
Waterfalls > 5m high ○ Artificial open water ○ Bog ○ Other (state)
Braided/side channels ○ Natural open water ○ Carr ○
Debris dams ○ Water meadow ○ Marsh ○
Leafy debris ○ Fen ○ Flush ○

CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ✓ YES ○

NOTABLE AND CONSPICUOUS PLANTS

None ✓ Giant Hogweed ○ Himalayan Balsam ○ Japanese Knotweed ○ Other? Nordic Rhododendron ponticum

MAJOR IMPACTS

Major impacts: bankfill - dipping - litter - outfall - pollution - straight - abstraction - infill - dam - road - rail - culverting - mining - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? -
Cattle trampling, heavy bank type.
Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - drag conflicts/damselflies

Other significant observations: Small wooded stream meandering - type section but following straight - here.

INVASIVE PLANTS

Aliens? None ✓ Present ○ Extensive ○ Discussed Aliens? None ✓ Present ○ Extensive ○

RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class |

SURVEY DETAILS

Reference network site number: 7518

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 590325 River: HAYLE

Date 1/5/1996 Time: 1650 Surveyor name: CHENNELLS Accreditation code: PFH

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state:* Y1 ☐ 12 ☐ 13 ☐

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☐ *(tick as appropriate)*

C. SKETCH DOMINANT VALLEY FORM

☐ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add 'U')*

☐ deep vee ☑ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE : VALLEY FORM NOTES:

D. SKETCH DOMINANT CHANNEL FEATURES

Riffles ☐ Unvegetated point bars ☐

Pools ☐ Vegetated point bars ☐

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
DR. IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY

TALLY (use dot) for - Riffles | Pools | Unveg. side bars | Veg. point bars

DIMENSIONS AND DISTANCES

Spot check 1 = upstream ☐ downstream ☑

	1	2	3	4	5	6	7	8	9	10
Material *	EB	EA	CA	EA	CA	CA	EA	CA	GR	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NC	NC	NO	NO	NO	NO
Channel substrate *	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape										
Pool type *	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material *	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND POPULATION STRUCTURES (within 50m of bankside)

Land use: choose one from BL, CF, OR, SCR, IC, IN, ST, AC, FL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m)	US	S	U	U	U	U	S	S	S	U
LEFT BANK FACE (structure)	U	U	B	U	U	U	U	U	U	S
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	WL	PC	BL	RP	RP	RP	RP	RP	RP	RP

PLANT SPECIES LIST

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reed/sedge/rushes	✓									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 7518

CONDITIONS AND ENGINEERING

	L	R		L	R
Semi-natural woodland (SL)	✓	E	Rough pasture (RP)	✓	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)	✓	✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	E
Scrub (SC)	E	✓	Open water (OW)		
Tall herbs * and vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Gabions		E
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☑	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☑
Semi-continuous	☐	☐
Continuous	☐	☐

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (≥ 33%)
Shading of channel	☑	☐	☐
Overhanging boughs	☑	☐	☐
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☑	☐	☐
Coarse woody debris	☑	☐	☐

	None	Present	E		None	Present	E (≥ 33%)
Waterfall(s)	☑	☐	☐	Margined dead-water	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☑	☐	☐	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☑	☐	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☐	☐	☑	Mature island(s)	☑	☐	☐
Glide(s)	☐	☐	☑	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features): RUN, GLIDE ONLY

RIVER HABITAT SURVEY

DIMENSIONS AND DISTANCES

LEFT BANK				RIGHT BANK
Bankop height (m)	1.80	Bankop width (m)	6.50	Bankop height (m) 1.50
Embanked height (m)		Water width (m)	2.00	Embanked height (m) 1.30
		Water depth (m)		

If washland lower than bankop level in slope, indicate: ' height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ unknown ☐

Location of measurement is: riffle ☐ run or glide ☑ other ☐ *(tick one box)*

MANIPULATIONS

None ☐ Number of Culverts = Weirs = Outfalls = Ponds =
Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No ☐ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT AND LAND USE (within 50m of bankside)

None ☐ Dredging ☑ Mowing ☐ Weed cutting ☐
Embankment ☐ Other ? State ...

FEATURES OF INTEREST

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐
Braided/side channels ☐ Natural open water ☐
Debris dams ☐ Water meadow ☐
Leafy debris ☐ Fen ☐

Rare ☐ Other (state):
Common ☑
Marsh ☑
Flush ☐

CHANNEL MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

PROMINENT BANKSIDE VEGETATION

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Rhododendron bushes

PHYSICAL IMPACTS

Major impacts: channelisation - dredging - flow restrictions - pollution - drought - abstraction - mill - dam - weir - ford - quarrying - bunding - culvert - quarrying (overdeepening) - afforestation - fisheries management - other? =
Mowing restricted to one bank.
Land Management: set aside - buffer strip - woodland - abandoned bushy parkland - MoD - other? = Cleaning of stone - left bank.
Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mink marten - heron - dragonflies/damselflies

Other significant observations: Downstream I spot have Willow Carr - & Equestrian (Pony paddocks, deep water/mud over grass & grazed). Trees fenced with chicken

CHANNEL SIDE SEDIMENT DEPOSITS

Silt/clay? None ☑ Present ☐ Extensive ☐ Deposited Silt/clay? None ☐ Present ☑ Extensive ☐

BACKGROUND CATCHMENT INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Planform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 7519

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 685317 River: COBBER

Date: 2.5.1996 Time: 0915 Surveyor name: P HENNING Accreditation code: PF II

Adverse conditions affecting survey? No ☒ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☐ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ *(tick one box)*

Site surveyed from: left bank ☑ right bank ☑ channel ☑ *(tick as appropriate)*

PREDOMINANT VALLEY FORM (tick as appropriate)

☑ shallow vee ☐ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ deep vee ☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☐ Yes ☐ | IFE - VALLEY FORM NOTES:

ENUMERATION OF MESOHABITAT UNITS

Riffles \ Unvegetated point bars

Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY CHANNEL CHECKS

TALLY (mesohabitat) for - Riffles | Pools | Unveg. side bars | Veg point bars

	1	2	3	4	5	6	7	8	9	10
Spot checks at upstream ☑ downstream ☐										
BANK SUBSTRATE										
Material	BOU	BL	CA	EA	EA	CA	EA	CA	EA	EA
Bank modifications(1)	RS	RI	NO	NO	NO	NO	RS	RS	NO	NO
Bank features(1)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BE	CO	CO	SI	SA	SA	NV	SA	SE	SA
Substrate shape		IR	UR							
Flow type	RP	RP	RP	SM	SM	RP	RP	RP	SM	SM
Channel modification(s)	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, MX, IC, IN, RF, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SH	SH	SC	SC	SC	SC	SH	SH	SH	BL
LEFT BANK-TOP *(structure within 1m)* MMMC	C	H	C	C	C	C	C	S	S	C
LEFT BANK FACE *(structure)* MMMC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE *(structure)* MMMC	S	C	C	S	S	S	S	S	S	S
RIGHT BANK-TOP *(structure within 1m)* MMMC	S	S	C	S	S	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SH	SH	SH	CP	S	SC	SC	SC	SC	BL

CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5			✓			✓		✓	✓	
Bryophytes/lichens	✓	✓								
Emerg broad-leaved herbs	✓			✓		✓				
Emerg rush/sedge/reed/iris										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	✓	✓		✓		✓				

SITE NO. 7519

RIVER HABITAT SURVEY SIDE CHANNELS AND ISLANDS

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)		
Conifer plantation (CF)		✓	Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Meadow/shrub (MX)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Other vegetation (TH) —			Suburban/urban development (SU)	✓	✓

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced	✓	✓
Gentle (< 45°)	✓	✓	Reinforced - whole bank	✓	✓
Steep (>45°)	E	E	Reinforced - top only		
Concrete	✓	✓	Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Eroding/unstable	✓	
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☑
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	6 (≥ 33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Underwater tree roots	☑	☐	☐
Fallen trees	☐	☐	☑
Coarse woody debris	☐	☑	☐

	None	Present	6 (≥ 33%)
Waterfall(s)	☑	☐	☐
Cascade(s)	☑	☐	☐
Rapid(s)	☑	☐	☐
Riffle(s)	☐	☑	☐
Run(s)	☐	☐	☑
Boil(s)	☑	☐	☐
Glide(s)	☐	☐	☑
Pool(s)	☑	☐	☐

	None	Present	6 (≥ 33%)
Marginal deadwater	☐	☐	☐
Exposed bedrock	☐	☐	☐
Exposed boulders	☐	☐	☐
Unvegetated mid-channel bar(s)	☐	☐	☐
Vegetated mid-channel bar(s)	☐	☐	☐
Mature island(s)	☐	☐	☐
Unvegetated side bar(s)	☐	☐	☐
Vegetated side bar(s)	☐	☐	☐

Predominant flow sequence (*select up to three features*): Run/glide

RIVER HABITAT SURVEY DIMENSIONS AND FEATURES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	2.60	Banktop width (m)	8.0	Banktop height (m)	2.60
Embanked height (m)		Water width (m)	4.9	*Embanked height (m)*	
		Water depth (m)	0.50		

If riverbank lower than banktop break in slope, indicate: height (m) = 1.10 width(m) = 6.0

(Bed material at site is): consolidated (compact) ☑ unconsolidated (loose) Chalkstream ☐

Location of measurement in: riffle ☐ run or glide ☑ other ☐ (tick one box)

MAN-MADE FEATURES

None ☐ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = ✓ Roadbridges = ✓ Other =
Is water impounded by weirdam? No ☑ Yes, <33% of site ☐ >33% of site ☐

MAN-MADE ACTIVITIES

None ☐ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other? State: Lower section Cow Park to Mill Path.

NATURAL FEATURES

None ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bay ☐ Other (state)
Bankside channels ☐ Natural open water ☐ Carr ☐ Small stream right
Debris dams ☑ Water meadow ☐ Marsh ☐ in open section
Leafy debris ☐ Fen ☐ Plunge ☐

CHOKING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle, Rhododendron bushes

OVERALL LANDSCAPE

Major activities: landfill - tipping - mines - sewage - pollution - dredging - channelisation - mill - dam - road - rail - quarrying - boating - tubing - quarrying - overdeepening - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: deer - otter - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Cow Park with Visitor Centre, grass cutting, fishing, bridleway, footpath. Cow Park to Mill Path. 4 segments of 5 = From 1-3 are Part of Nine Barrows. Left bank high with steep slope, 2 m from top of right bank.

ALDERS

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

RIVER HABITAT SURVEY

BACKGROUND MAP-BASED INFORMATION

Altitude(m) | Slope (m/km) | Flow category (1-10)
Solid geology code | Drift geology code | Platform category
Distance from source (km) | Significant tributary ? | Navigation ?
Height of source (m) | Water Quality Class ? |

SURVEY DETAILS

Reference network site number: 7520

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 760320 River: LESTRAINES

Date 7/5/1996 Time: 0950 Surveyor name C HEWITT Accreditation code:

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

GEOMORPHOLOGY

☐ shallow vee ☐ concave/bowl (If U-shaped glacial valley - add "U")
☐ deep vee ☐ symmetrical floodplain
☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

CHANNEL CONSTRAINTS, CONTROLS AND VEGETATION

Riffles 4 | Unvegetated point bars 2
Pools 5 | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P H DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

TALLY (use BS1) for - Riffles III | Pools IIII | Using wide bars 1 | Veg point bars

CHANNEL ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☐

	1	2	3	4	5	6	7	8	9	10
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Substrate shape	SP	SR	LR	LR	LR	TP	LR	LR	LR	LR
Flow type	SM	RP	RP	SM	UW	RP	RP	RP	SM	RP
Channel modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(+)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CP, OR, AOL, SC, TM, RP, IG, TL, WL, OW, SU

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL/U	SC	BL	BL/U	BL/U	BL	BL/U
LEFT BANK-TOP (structure within 1m) BANK	S	U	C	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANK	U	U	U	S	S	S	S	U	U	U
RIGHT BANK FACE (structure) BANK	U	U	U	U	S	S	U	S	U	U
RIGHT BANK-TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL/U	U/BL	BL/U	BL/U	U/BL	U/BL	U/BL	BL	BL

VEGETATION

	1	2	3	4	5	6	7	8	9	10
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓			✓
Emerg broad-leaved herbs (monocots)	✓		✓	✓	✓	✓	✓	✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Submerged										
Submerged broad-leaved										
Filamentous algae										

Many grey. Bl with mylb.

SITE NO. 7520 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Bankface height (m)	0.40	Bankface width (m)		Bankface height (m)	0.30
Embanked height (m)		Water width (m)	0.70	Embanked height (m)	
		Water depth (m)	0.35		

If unbankface lower than bankface break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☑ intermix ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

ANCILLARY FEATURES

Name ☑ Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Roadbridges = Other =
Is water impounded by weirs/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT

Name ☑ Dredging ☐ Mowing ☐ Weed cutting ☐
Enhancement ☐ Other ? State: .....

NATURAL FEATURES

Name ☐
Waterfalls > 5m high ☐ Artificial open water ☐ Bog ☑ Other (state) .
Braided/wide channels ☐ Natural open water ☐ Carr ☑ willow wet-l
Debris dams ☑ Water meadow ☐ Marsh ☐ many (Arg).
Leafy debris ☐ Fen ☐ Flush ☐

BANKSIDE LAND USE

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

ADJACENT LAND USE

Name ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Notic Rhododendron bracken

PHYSICAL ALTERATIONS

Major impacts: bankfill - dipping - lined - moorge - pollution - dredged - channelised - mill - dam - weed - rail industry - boating - mining - quarrying - overdeepening - afforestation - fisheries management - mining - other? -

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Small moorland stream flowing through wild woodland with a mixture of mixed shade trees giving a varied habitat. Bankside vegetation is lush & complex, by stable.

ARTIFICIAL STRUCTURES

Adders? None ☑ Present ☐ Extensive ☐ Overhead Adders? None ☑ Present ☐ Extensive ☐

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	E	Rough pasture (RP)	✓	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓		Wetland (eg bog, marsh, fen) (WL)	E	E
Scrub (SC)	✓		Open water (OW)		
Tall herbs - inc vegetation (TH)			Suburban/urban development (SU)		

	L	R		L	R
Natural/unmodified	E	E	Artificial/modified		
Vertical/undercut			Recectioned		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Eroded/cut		
			Set back embankments		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (>33%)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed bankside roots	☑	☐	☐
Undercut soil mats	☐	☑	☐
Fallen trees	☐	☑	☐
Coarse woody debris	☐	☑	☐

	None	Present	E
Waterfall(+)	☐	☐	☐
Cascade(+)	☐	☐	☐
Rapid(+)	☐	☐	☐
Riffle(+)	☐	☑	☐
Run(+)	☐	☐	☑
Pool(+)	☐	☑	☐
Glide(+)	☐	☑	☐
Pool(+)	☐	☑	☐

	None	Present	E (≥33%)
Marginal deadwater	☐	☑	☐
Exposed bedrock	☑	☐	☐
Exposed boulders	☑	☐	☐
Unvegetated mid-channel bar(+)	☑	☐	☐
Vegetated mid-channel bar(+)	☐	☐	☐
Mature island(+)	☑	☐	☐
Unvegetated side bar(+)	☐	☑	☐
Vegetated side bar(+)	☐	☐	☐

Indicate predominant flow sequence (select up to three features):

BACKGROUND/CATCHMENT INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

SURVEY DETAILS

Reference network site number: 7521

Mid-site grid reference of network site if different from designated location:

Grid Reference: SU 813396 River: UNNAMED

Date 21/4/1996 Time: 6.20 Surveyor name: P HAWKINS Accreditation code: PH1

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☑ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☑ Yes ☐ (tick one box)

Site surveyed from: left bank ☑ right bank ☑ channel ☑ (tick as appropriate)

PREDOMINANT VALLEY FORM

☐ shallow vee ☑ concave/bowl (If U-shaped glacial valley - add 'U')

☐ deep vee ☐ symmetrical floodplain

☐ gorge ☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

SURVEY DIMENSIONS AND OBSERVATIONS

Riffles 19 Unvegetated point bars

Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
JAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

RIVER HABITAT SURVEY: TENSPOT CHECKS

TALLY (use ||||) for - Riffles 19 | Pools | Unveg. side bars | Veg point bars

PHYSICAL ATTRIBUTES (Spot checks)

Spot check 1 u: upstream ☑ downstream ☐	1	2	3	4	5	6	7	8	9	10
TENSPOT CHECKS										
Material	EA	EA	EA	EA	EA	EA	EA	CO	EM	EA
Bank modification(s)	NO	NO	UI	UO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	BC	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate/slope	IR	IR	IF	IR	IR	IR	IR	IR	IF	IR
Flow type	RP	WU	WU	WU	WU	WU	UW	WU	UW	RP
Channel modification(s)	NO	UC	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	CL	EA	EA	EA	CC	BL
Bank modification(s)	NO	NO	NO	NO	UI	NO	NO	NO	RL	RL
Bank feature(s)	NO	NO	PB	NO	NO	NO	NO	NO	NO	NO

VEGETATION, LAND USE AND EROSION STRUCTURES

Land use: choose one from BL, CF, OR, UH, IC, TH, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	BL	BL	BL	IL	BL	IL	SU
LEFT BANK TOP (structure within 1m) B/U/S/C	S	S	S	C	C	S	C	C	C	S
LEFT BANK FACE (structure) B/U/S/C	S	S	U	S	S	S	S	S	C	S
RIGHT BANK FACE (structure) B/U/S/C	S	C	U	U	S	S	S	S	S	U
RIGHT BANK-TOP (structure within 1m) B/U/S/C	S	C	S	C	S	S	S	C	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	BL	BL	SC	SU	SU	SU	SU

VEGETATION TYPES (Tenspot checks)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓					✓	✓		✓
Emerg broad-leaved herbs	✓	✓	✓	✓	—		✓	✓	✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

RIVER HABITAT SURVEY: SOIL AND SUBSTRATE

	L	R		L	R
Broadleaf/mixed woodland (BL)	E		Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Other rank vegetation (TH)			Suburban/urban development (SU)	✓	✓

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	L	E	Recectioned		
4 - 90°			Reinforced - whole bank	✓	✓
>45°	✓	✓	Reinforced - top only		
Gentle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) / ASSOCIATED FEATURES (tick one box per feature)

	Left	Right		None	Present	Extensive (>33%)
None	☐	☐	Shading of channel	☐	☐	☑
Isolated/scattered	☐	☐	Overhanging boughs	☐	☑	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	☑	☐	☐
Occasional clumps	☐	☐	Underwater tree roots	☐	☑	☐
Semi-continuous	☐	☑	Fallen trees	☐	☑	☐
Continuous	☑	☐	Debris/woody debris	☐	☑	☐

	None	Present	E		None	Present	E
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascade(s)	☑	☐	☐	Exposed bedrock	☑	☐	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☑	☐	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Unit(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Kide(s)	☑	☐	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☑	☐	☐	Vegetated side bar(s)	☑	☐	☐

Indicate predominant flow sequence (select up to three features):

RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK			RIGHT BANK
Banktop height (m)	0.48	Banktop width (m)	2.0	Banktop height (m)	0.60
Embanked height (m)		Water width (m)	1.0	Embanked height (m)	
		Water depth (m)	0.5		

If trashline lower than banktop bank in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact) ☐ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ (tick one box)

ARTIFICIAL FEATURES

None ☐ Number of Culverts = Weirs = Outfalls = Fords =
Footbridges = 2 Roadbridges = 1 Other =

Is water impounded by weirs/dams? No ☑ Yes, <33% of site ☐ >33% of site ☐

MANAGEMENT OF RIPARIAN ZONE

None ☐ Dredging ☐ Mowing ☐ Weed-cutting ☐
Embankment ☐ Other? State: TREE PLANTING / gardening

OTHER FEATURES

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state)
Braided/side channels	☐	Natural open water	☐	Carr	☑ Well well overallen
Debris dams	☐	Water meadow	☐	Marsh	☐ ~8 will do
Leafy debris	☐	Fen	☐	Flush	☐

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

NOXIOUS/NUISANCE PLANTS

None ☑ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☐ Other? Nettle Rhododendron bracken

MANAGEMENT ACTIVITY

Major impacts: landfill - dredging - flood defence - channel modification - mill - dam - weed cut - landscaping - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =
some garden rubbish from adjacent houses
Land Management: set-aside - buffer strip - fallowed - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Over grown channel, willow and bramble, fastened with bikes presumably step gradient. Weir over a bank broken with concrete, lower section strong garden with management.

FISH

Alders? None ☐ Present ☑ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

A. MAP-BASED INFORMATION

Altitude(m)
Solid geology code
Distance from source (km)
Height of source (m)

Slope (m/km)
Drift geology code
Significant tributary ?
Water Quality Class

Flow category (1-10)
Planform category
Navigation ?

B. FIELD SURVEY DETAILS

Reference network site number: 7522

Mid-site grid reference of network site if different from designated location:

Grid Reference: SW 685217 River: CURRY STREAM.

Date: 1.5.1996 Time: 14.15 Surveyor name: T. Hewlett Accreditation code: PF11

Adverse conditions affecting survey? No ☑ Yes ☐ *If yes, state* .....

Bed of river visible? No ☐ partially ☑ entirely ☐ *(tick one box)*

IFE single photograph: general character? No ☐ Yes ☑ *(tick one box)*
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☑ *(tick one box)*

Site surveyed from: left bank ☐ right bank ☑ channel ☑ *(tick as appropriate)*

C. PREDOMINANT VALLEY FORM (tick one box only)

☐ shallow vee
☐ deep vee
☑ concave/bowl *(If U-shaped glacial valley - add "U")*
☐ symmetrical floodplain
☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ IFE : VALLEY FORM NOTES: ...

D. NUMBER OF RIFFLES AND POOLS AND POINT BARS

Riffles 19 Unvegetated point bars 1

Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1995 RIVER HABITAT SURVEY: CONSTITUENTS

TALLY (use JIII) for - Riffles IIII IIII IIII IIII Pools II Unveg. side bars 1 Veg. point bars

SECTION ATTRIBUTES

Spot check 1 in: upstream ☐ downstream ☐	1	2	3	4	5	6	7	8	9	10
BANK (looking downstream)										
Material	CA	EA	CA	BO	EA	CA	EA	CA	EA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (bed and lower bank)										
Channel substrate	CP	CP	RO	BO	CO	CO	CO	CO	CO	BE
Substrate shape	IR	IR	IR	CH	FL	CN	CN	CH	FL	FL
Flow type	RP	SM	RP	CH	RP	UU	UU	UU	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	RO	NO	RO	NO	RO	NO	NO
RIGHT BANK (looking downstream)										
Material	EA	EA	CA	EA	CA	CA	BE	CO	BE	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, OR, MH, IG, TH, RF, HS, EL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SC	LP	RP	RL	GL	SL	IG	SC	SC
LEFT BANK-TOP (structure within 1m)	C	C	C	S	C	S	S	W	C	C
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	W	S	S	S	C
RIGHT BANK-TOP (structure within 1m)	S	S	S	W	S	S	W	W	W	W
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓		✓	E	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓	✓	✓	✓		✓	✓	✓	✓	✓
Emerg reed/sedge/rush(es)										
Floating-leaved (rooted)										
Free-floating		✓								
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae			✓		✓		✓	✓	✓	✓

SITE NO. 7522 1995 RIVER HABITAT SURVEY: SCORE SHEET

LAND USE WITHIN 50m OF TOP OF BANK (tick one box per bank)

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓	Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	✓	E
Orchard (OR)			Tilled land (TL)		
Moorland/heather(MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E		Open water (OW)		
Tall herby / rank vegetation (TH)			Suburban/urban development (SD)		

BANK PROFILE (tick one box per bank)

	L	R		L	R
Natural/unmodified			Artificial/ modified		
Vertical/undercut	E	E	Recontoured		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) / ASSOCIATED FEATURES (tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present	E (≥33%)
None	☐	☐	Shading of channel	☐	☑	☐
Isolated/scattered	☐	☐	Overhanging boughs	☐	☐	☐
Regularly spaced, single	☐	☐	Exposed bankside roots	☑	☐	☐
Occasional clumps	☑	☑	Underwater tree roots	☐	☑	☐
Semi-continuous	☐	☐	Fallen trees	☐	☑	☐
Continuous	☐	☐	Common woody debris	☐	☑	☐

CHANNEL FEATURES

	None	Present	E		None	Present	E (≥33%)
Waterfall(s)	☑	☐	☐	Marginal deadwater	☐	☑	☐
Cascades(s)	☐	☑	☐	Exposed bedrock	☑	☑	☐
Rapid(s)	☑	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☑	Unvegetated mid-channel bar(s)	☑	☐	☐
Run(s)	☐	☑	☐	Vegetated mid-channel bar(s)	☑	☐	☐
Bank(s)	☑	☐	☐	Mature island(s)	☑	☐	☐
Glide(s)	☐	☑	☐	Unvegetated side bar(s)	☑	☐	☐
Pool(s)	☐	☑	☐	Vegetated side bar(s)	☐	☑	☐

Indicate predominant flow sequence (*select up to three features*): Cascade Riffle Run

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1995 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK				RIGHT BANK	
Banktop height (m)	1.0	Banktop width (m)	2.30	Banktop height (m)	1.00
Embanked height (m)		Water depth (m)	0.45	Embanked height (m)	

If trapezium lower than banktop break in shape, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) ☑ unconsolidated (loose) ☐ unknown ☐

Location of measurement is: riffle ☑ run or glide ☐ other ☐ *(tick one box)*

ARTIFICIALISATION

None ☐ Number of: Culverts = 1 Weirs = Outfalls = Fords =
Footbridges = 1 Roadbridges = 1 Other =
Is water impounded by weir/dam? No ☑ Yes, <33% of site ☐ >33% of site ☐

RECENT CHANNEL WORK

None ☑ Dredging ☐ Mowing ☐ Weed-cutting ☐
Enhancement ☐ Other ? State: .....

INFLUENCES OUTSIDE IMMEDIATE CHANNEL

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐ Other (state) .....
Braided/side channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Pan	☐	Flush	☐

FLOODING

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

INVASIVE PLANT SPECIES

None ☐ Giant Hogweed ☐ Himalayan Balsam ☐ Japanese Knotweed ☑ Other? Mottle Rhododendron bushes

POTENTIAL IMPACTS

Major impacts: landfill - dipping - mine/quarry - pollution - drought - abstraction - mill - dam/weir - flood defences - bridge(s) - ford(s) - overstocking - afforestation - fisheries management - tilling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Small shoaly, rocky steps, typical through deep with some pools through grassy banks. Bank trees not invasive in part.

INFLUENCES

Alders? None ☑ Present ☐ Extensive ☐ Diseased Alders? None ☑ Present ☐ Extensive ☐

Reference (network) site number: 7523

Grid Reference: SU 760236 River: MAYACCAN

Date: 1/5/1996 Time: 1120 Surveyor name: P.FRANKLIN Accreditation code: FSII

Adverse conditions affecting survey? No ☑ Yes ☐ If yes, state .....

Bed of river visible? No ☐ partially ☐ entirely ☑ (tick one box)

IFE single photograph: general character? No ☐ Yes ☐ (tick one box)
(duplicate will be made by scanning)
and, as required, special feature ? No ☐ Yes ☐ (tick one box)

Site surveyed from: left bank ☐ right bank ☑ channel ☐ (tick as appropriate)

☐ shallow vee ☑ concave/bowl (If U-shaped glacial valley - add 'U')

☐ deep vee ☐ symmetrical floodplain

☐ asymmetrical floodplain

Terraced valley floor? No ☑ Yes ☐ | IFE - VALLEY FORM NOTES:

Riffles 21 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure dishes TO
P. M. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use ||||) for - Riffles, Pools, Unveg. side bars, Veg. point bars

Spot check 1 in:	1	2	3	4	5	6	7	8	9	10
Dominant substrate	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GP	GP	GP	CO	GP	GP	GP	GP	GP	SA
Substrate shape	IR	IR	IR	OV	IR	IR	IR	IR	IR	I
Flow type	LU	RP	RP	LU	LU	LU	LU	RP	LU	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NU	NO	NO	NO	NO	NO	NO	NO	NO	NO
Marginal	EA	EA	EA	EA	EA	EA	EA	RR	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RE	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from BL, CP, OR, UO, HC, TH, IG, IP, RL, OW, EP

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	BL	BL	BL	DU
LEFT BANK-TOP (structure within 1 m) score:	C	C	C	C	C	C	S	S	S	C
LEFT BANK FACE (structure) score:	S	S	S	U	S	S	S	S	S	S
RIGHT BANK FACE (structure) score:	S	S	S	U	S	S	S	U	S	U
RIGHT BANK-TOP (structure within 1 m) score:	S	S	S	S	C	U	C	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	TH	IG	IG	OR	RL

MOSS / PLANT GENERA - list first 5										
Oxygenators/Ecleans	✓	✓	✓		✓	✓		✓		✓
Emerg broad-leaved herbs										
Emerg reeds/bulrush/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae						✓				

	L	R		L	R
Undefined woodland (UL)	✓	E	Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)		✓	Tilled land (TL)		
Marshland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	E
Scrub (SC)			Open water (OW)		
Tall herbs* and vegetation (TH)			Suburban/urban development (SD)		✓

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Cattle	✓		Reinforced - toe only		
Composite			Artificial two-stage		
			Profiled		
			Reinforced		
			Set-back embankment		

TREES (tick one box per bank)

	Left	Right
None	☐	☐
Isolated/scattered	☐	☐
Regularly spaced, single	☐	☐
Occasional clumps	☐	☐
Semi-continuous	☐	☐
Continuous	☑	☑

ASSOCIATED FEATURES (tick one box per feature)

	None	Present	E (>1/3 L)
Shading of channel	☐	☐	☑
Overhanging boughs	☐	☐	☑
Exposed boulder zones	☐	☑	☐
Underwater tree roots	☐	☑	☐
Fallen trees	☐	☑	☐
Dense woody debris	☐	☑	☐

	None	Present	E		None	Present	E (>1/3 L)
Waterfall(s)	☐	☐	☐	Marginal deadwater	☐	☐	☐
Cascade(s)	☐	☐	☐	Exposed bedrock	☐	☐	☐
Rapid(s)	☐	☐	☐	Exposed boulders	☐	☑	☐
Riffle(s)	☐	☐	☐	Unvegetated mid-channel bar(s)	☐	☐	☐
Run(s)	☐	☐	☐	Vegetated mid-channel bar(s)	☐	☐	☐
Pool(s)	☐	☐	☐	Mature island(s)	☐	☐	☐
Glide(s)	☐	☐	☐	Unvegetated side bar(s)	☐	☐	☐
Poach(s)	☐	☐	☐	Vegetated side bar(s)	☐	☐	☐

Indicate predominant flow sequence (select up to three features):

LEFT BANK		Bankop width (m)		RIGHT BANK	
Bankop height (m)	0.55	Water width (m)	3.0	Bankop height (m)	0.95
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If modification/s more than bankop break in slope, indicate - height (m) = width (m) =

Bed artificial or site lo: unmodified (unaltered) ☐ modified (former) ☐ unknown ☐

Location of pumping/intake: within ☐ out of field ☐ other ☐ (tick one box)

Dams: Number of: Culverts = Weirs = Outfalls = Fords =
Footbridges = Bridges = Other =

Is water impounded by weir/dam? No ☐ Yes, <33% of site ☐ >33% of site ☐

Management: None ☐ Dredging ☐ Mowing ☑ Weed cutting ☐
Enhancement ☐ Other? State .....

None	☐				
Waterfalls > 5m high	☐	Artificial open water	☐	Bog	☐
Bridges/tide channels	☐	Natural open water	☐	Carr	☐
Debris dams	☑	Water meadow	☐	Marsh	☐
Leafy debris	☐	Fen	☐	Flush	☐
				Other (state)	.....

Is 33% or more of the channel choked with vegetation? NO ☑ YES ☐

None ☑ Ghost Engrossed ☐ Elmodaea Eskoss ☐ Apiocera Eastwood ☐ Other? Nemta Rhadenhamus brachyo

Land Management: arable - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - rabbit - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Algae? None ☐ Present ☐ Extensive ☐ Diamond Algae? None ☐ Present ☐ Extensive ☐

Centre for Ecology & Hydrology

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Institute of Virology & Environmental Microbiology

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